SEQUENCE LISTING

<110> Kerr, William G.
       Ninos, John M.

<120> Novel SH2containing Inositol 5'-phosphatase Isoform That Partners
       With The Grb2 Adapter Protein

<130> USF-211XT

<140> 10/605,452
<141> 2003-09-30

<150> 60/319,583
<151> 2002-09-30

<160> 18

<170> PatentIn version 3.3

<210> 1
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Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
    50   55   60

Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
65   70   75   80

Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
            85   90   95

Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
            100   105   110

Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
        115   120   125

Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
        130   135   140

Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
145   150   155   160

Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
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Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
            180   185   190

Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
        195   200   205

Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
    210   215   220

Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
225   230   235   240

Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
                245   250   255

Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
            260   265   270

Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly
        275   280   285

Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
    290   295   300

Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr
305   310   315   320

Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
                325   330   335

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Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys
        340                 345             350


Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
        355                 360             365


Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
    370                 375             380


Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
385                 390             395                 400


Ala Cys Ala Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
            405                 410             415


Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
        420                 425             430


Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
        435                 440             445


Thr Gly Gly Thr Gly Ala Thr Thr Thr Gly Gly Thr Gly Gly Ala
    450                 455             460


Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
465                 470             475                 480


Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
            485                 490                 495


Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
        500                 505             510


Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
        515                 520             525


Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys
    530                 535             540


Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala
545                 550             555                 560
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Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala
                565   570   575

Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala
                580   585   590

Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys
        595   600   605

Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr
    610   615   620

Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala
625   630   635   Ala   640

Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
            645   650   655

Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly
            660   665   670

Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Gly Ala Cys Gly
        675   680   685

Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
    690   695   700

Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
705   710   715   720

Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
            725   730   735

Ala Gly Gly Ala Thr Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
        740   745   750

Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
        755   760   765

Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys

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           770                    775                    780


Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
785              790              795                      800


Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Cys Ala
                 805              810                      815


Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
                 820              825                      830


Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
                 835              840                      845


Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
         850              855              860


Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
865              870              875                      880


Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
                 885              890                      895


Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
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Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
         915              920              925


Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
         930              935              940


Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
945              950              955                      960


Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
                 965              970                      975


Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Gly Thr Thr Cys Gly Thr
         980              985              990
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Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
    995   1000   1005

Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
    1010   1015   1020

Ala Ala Gly Cys Thr Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr
    1025   1030   1035

Cys Ala Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys
    1040   1045   1050

Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly
    1055   1060   1065

Gly Cys Cys Cys Thr Gly Gly Gly Ala Gly Ala Cys Ala Ala Gly
    1070   1075   1080

Ala Ala Gly Cys Thr Ala Ala Gly Cys Cys Cys Ala Thr Thr Thr
    1085   1090   1095

Ala Ala Cys Ala Thr Cys Ala Cys Cys Cys Ala Cys Cys Gly Cys
    1100   1105   1110

Thr Thr Cys Ala Cys Cys Cys Ala Cys Cys Thr Cys Thr Thr Cys
    1115   1120   1125

Thr Gly Gly Cys Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Cys
    1130   1135   1140

Ala Ala Cys Thr Ala Cys Cys Gly Cys Gly Thr Gly Gly Ala Gly
    1145   1150   1155

Cys Thr Gly Cys Cys Cys Ala Cys Thr Thr Gly Gly Gly Ala Gly
    1160   1165   1170

Gly Cys Ala Gly Ala Gly Gly Cys Cys Ala Thr Cys Ala Thr Cys
    1175   1180   1185

Cys Ala Gly Ala Ala Gly Ala Thr Cys Ala Ala Gly Cys Ala Ala
    1190   1195   1200

Cys Ala Gly Cys Ala Gly Thr Ala Thr Thr Cys Ala Gly Ala Cys
    1205   1210   1215

Cys Thr Thr Cys Thr Gly Gly Cys Cys Cys Ala Cys Gly Ala Cys
    1220   1225   1230

Cys Ala Ala Cys Thr Gly Cys Thr Cys Cys Thr Gly Gly Ala Gly
    1235   1240   1245

Ala Gly Gly Ala Ala Gly Gly Ala Cys Cys Ala Gly Ala Ala Gly
    1250   1255   1260

Gly Thr Cys Thr Thr Cys Cys Thr Gly Cys Ala Cys Thr Thr Thr
    1265   1270   1275

Gly Ala Gly Gly Ala Gly Gly Ala Ala Gly Ala Gly Ala Thr Cys
    1280   1285   1290

Ala Cys Cys Thr Thr Cys Gly Cys Cys Cys Cys Cys Ala Cys Cys
    1295   1300   1305

Thr Ala Thr Cys Gly Ala Thr Thr Thr Gly Ala Ala Ala Gly Ala
    1310   1315   1320

Cys Thr Gly Ala Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Gly
    1325   1330   1335

Thr Ala Thr Gly Cys Ala Thr Ala Cys Ala Cys Gly Ala Ala Gly
    1340   1345   1350

Cys Ala Gly Ala Ala Ala Gly Cys Ala Ala Cys Ala Gly Gly Gly
    1355   1360   1365

Ala Thr Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly
    1370   1375   1380

Cys Cys Gly Thr Cys Cys Thr Gly Gly Thr Gly Cys Gly Ala Cys
    1385   1390   1395

Cys Gly Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly
    1400   1405   1410

Thr Cys Thr Thr Ala Cys Cys Cys Gly Cys Thr Gly Gly Thr Gly
    1415   1420   1425

Cys Ala Thr Gly Thr Gly Gly Thr Cys Thr Gly Thr Cys Ala Gly
    1430   1435   1440

Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
    1445   1450   1455

Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
    1460   1465   1470

Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
    1475   1480   1485

Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
    1490   1495   1500

Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
    1505   1510   1515

Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys Thr Cys Cys
    1520   1525   1530

Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
    1535   1540   1545

Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
    1550   1555   1560

Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
    1565   1570   1575

Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
    1580   1585   1590

Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
    1595   1600   1605

Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys

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        1610                    1615                    1620


Thr Ala  Cys Thr Thr Gly Gly  Ala Gly Thr Thr Cys  Cys Ala Cys
    1625                    1630                    1635


Thr Cys  Ala Ala Gly Cys Thr  Gly Cys Thr Thr Ala  Gly Ala Gly
    1640                    1645                    1650


Ala Gly  Thr Thr Thr Thr Gly  Thr Cys Ala Ala Gly  Ala Gly Thr
    1655                    1660                    1665


Cys Ala  Gly Gly Ala Ala Gly  Gly Ala Gly Ala Gly  Ala Ala Thr
    1670                    1675                    1680


Gly Ala  Ala Gly Ala Gly Gly  Gly Ala Ala Gly Thr  Gly Ala Ala
    1685                    1690                    1695


Gly Gly  Ala Gly Ala Gly Cys  Thr Gly Gly Thr Gly  Gly Thr Ala
    1700                    1705                    1710


Cys Gly  Gly Thr Thr Thr Gly  Gly Ala Gly Ala Gly  Ala Cys Thr
    1715                    1720                    1725


Cys Thr  Thr Cys Cys Cys Ala  Ala Gly Cys Thr Ala  Ala Ala Gly
    1730                    1735                    1740


Cys Cys  Cys Ala Thr Thr Ala  Thr Cys Thr Cys Thr  Gly Ala Cys
    1745                    1750                    1755


Cys Cys  Cys Gly Ala Gly Thr  Ala Cys Thr Thr Ala  Cys Thr Gly
    1760                    1765                    1770


Gly Ala  Cys Cys Ala Gly Cys  Ala Thr Ala Thr Cys  Cys Thr Gly
    1775                    1780                    1785


Ala Thr  Cys Ala Gly Cys Ala  Thr Thr Ala Ala Ala  Thr Cys Cys
    1790                    1795                    1800


Thr Cys  Thr Gly Ala Cys Ala  Gly Thr Gly Ala Cys  Gly Ala Gly
    1805                    1810                    1815
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Thr Cys Cys Thr Ala Thr Gly Gly Thr Gly Ala Ala Gly Gly Cys
    1820   1825   1830

Thr Gly Cys Ala Thr Thr Gly Cys Cys Cys Thr Thr Cys Gly Cys
    1835   1840   1845

Thr Thr Gly Gly Ala Gly Ala Cys Cys Ala Cys Ala Gly Ala Gly
    1850   1855   1860

Gly Cys Thr Cys Ala Gly Cys Ala Thr Cys Cys Thr Ala Thr Cys
    1865   1870   1875

Thr Ala Cys Ala Cys Gly Cys Cys Thr Cys Thr Cys Ala Cys Cys
    1880   1885   1890

Cys Ala Cys Cys Ala Thr Gly Gly Gly Gly Ala Gly Ala Thr Gly
    1895   1900   1905

Ala Cys Thr Gly Gly Cys Cys Ala Cys Thr Thr Cys Ala Gly Gly
    1910   1915   1920

Gly Gly Ala Gly Ala Gly Ala Thr Thr Ala Ala Gly Cys Thr Gly
    1925   1930   1935

Cys Ala Gly Ala Cys Cys Thr Cys Cys Cys Ala Gly Gly Gly Cys
    1940   1945   1950

Ala Ala Gly Ala Thr Gly Ala Gly Gly Gly Ala Gly Ala Ala Gly
    1955   1960   1965

Cys Thr Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Thr Gly
    1970   1975   1980

Ala Ala Gly Ala Cys Ala Gly Ala Gly Cys Gly Gly Gly Ala Thr
    1985   1990   1995

Gly Ala Ala Thr Cys Cys Ala Gly Thr Gly Gly Ala Ala Thr Gly
    2000   2005   2010

Ala Ala Ala Thr Gly Cys Thr Thr Gly Ala Ala Gly Ala Ala Cys
    2015   2020   2025

Cys Thr Cys Ala Cys Cys Ala Gly Cys Cys Ala Thr Gly Ala Cys
    2030   2035   2040

Cys Cys Thr Ala Thr Gly Ala Gly Gly Cys Ala Ala Thr Gly Gly
    2045   2050   2055

Gly Ala Gly Cys Cys Thr Thr Cys Thr Gly Gly Cys Ala Gly Gly
    2060   2065   2070

Gly Thr Cys Cys Cys Thr Gly Cys Ala Thr Gly Thr Gly Gly Thr
    2075   2080   2085

Gly Thr Cys Thr Cys Cys Ala Gly Cys Cys Thr Cys Ala Ala Thr
    2090   2095   2100

Gly Ala Gly Ala Thr Gly Ala Thr Cys Ala Ala Thr Cys Cys Ala
    2105   2110   2115

Ala Ala Cys Thr Ala Cys Ala Thr Thr Gly Gly Thr Ala Thr Gly
    2120   2125   2130

Gly Gly Gly Cys Cys Thr Thr Thr Thr Gly Gly Ala Cys Ala Gly
    2135   2140   2145

Cys Cys Cys Cys Thr Gly Cys Ala Thr Gly Gly Gly Ala Ala Ala
    2150   2155   2160

Thr Cys Ala Ala Cys Cys Cys Thr Gly Thr Cys Cys Cys Cys Ala
    2165   2170   2175

Gly Ala Thr Cys Ala Gly Cys Ala Ala Cys Thr Cys Ala Cys Ala
    2180   2185   2190

Gly Cys Thr Thr Gly Gly Ala Gly Thr Thr Ala Thr Gly Ala Cys
    2195   2200   2205

Cys Ala Gly Cys Thr Ala Cys Cys Cys Ala Ala Ala Gly Ala Cys
    2210   2215   2220

Thr Cys Cys Thr Cys Cys Cys Thr Gly Gly Gly Gly Cys Cys Thr
    2225   2230   2235

Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Ala Gly Gly Gly Thr
    2240   2245   2250

Cys Cys Thr Cys Cys Ala Ala Cys Cys Cys Cys Thr Cys Cys Cys
    2255   2260   2265

Thr Cys Cys Cys Ala Ala Cys Cys Ala Cys Cys Thr Cys Thr Gly
    2270   2275   2280

Thr Cys Gly Cys Cys Ala Ala Ala Gly Ala Ala Gly Thr Thr Thr
    2285   2290   2295

Thr Cys Ala Thr Cys Thr Thr Cys Cys Ala Cys Ala Gly Cys Cys
    2300   2305   2310

Ala Ala Cys Cys Gly Ala Gly Gly Thr Cys Cys Cys Thr Gly Cys
    2315   2320   2325

Cys Cys Cys Ala Gly Gly Gly Thr Gly Cys Ala Ala Gly Ala Gly
    2330   2335   2340

Gly Cys Ala Ala Gly Ala Cys Cys Thr Gly Gly Gly Gly Ala Thr
    2345   2350   2355

Cys Thr Gly Gly Gly Ala Ala Ala Gly Gly Thr Gly Gly Ala Ala
    2360   2365   2370

Gly Cys Thr Cys Thr Gly Cys Thr Cys Cys Ala Gly Gly Ala Gly
    2375   2380   2385

Gly Ala Cys Cys Thr Gly Cys Thr Gly Cys Thr Gly Ala Cys Gly
    2390   2395   2400

Ala Ala Gly Cys Cys Cys Gly Ala Gly Ala Thr Gly Thr Thr Thr
    2405   2410   2415

Gly Ala Gly Ala Ala Cys Cys Cys Ala Cys Thr Gly Thr Ala Thr
    2420   2425   2430

Gly Gly Ala Thr Cys Cys Gly Thr Gly Ala Gly Thr Thr Cys Cys

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        2435                    2440                    2445

Thr Thr  Cys Cys Cys Thr Ala   Ala Gly Cys Thr Gly   Gly Thr Gly
    2450                    2455                    2460


Cys Cys  Cys Ala Gly Gly Ala   Ala Ala Gly Ala Gly   Cys Ala Gly
    2465                    2470                    2475


Gly Ala  Gly Thr Cys Thr Cys   Cys Cys Ala Ala Gly   Ala Thr Gly
    2480                    2485                    2490


Cys Thr  Gly Cys Gly Gly Ala   Ala Gly Gly Ala Gly   Cys Cys Cys
    2495                    2500                    2505


Cys Cys  Gly Cys Cys Cys Thr   Gly Thr Cys Cys Ala   Gly Ala Cys
    2510                    2515                    2520


Cys Cys  Ala Gly Gly Ala Ala   Thr Cys Thr Cys Ala   Thr Cys Ala
    2525                    2530                    2535


Cys Cys  Cys Ala Gly Cys Ala   Thr Cys Gly Thr Gly   Cys Thr Cys
    2540                    2545                    2550


Cys Cys  Cys Ala Ala Ala Gly   Cys Cys Cys Ala Ala   Gly Ala Gly
    2555                    2560                    2565


Gly Thr  Gly Gly Ala Gly Ala   Gly Thr Gly Thr Cys   Ala Ala Gly
    2570                    2575                    2580


Gly Gly  Gly Ala Cys Ala Ala   Gly Cys Ala Ala Ala   Cys Ala Gly
    2585                    2590                    2595


Gly Cys  Cys Cys Cys Thr Gly   Thr Gly Cys Cys Thr   Gly Thr Cys
    2600                    2605                    2610


Cys Thr  Thr Gly Gly Cys Cys   Cys Cys Ala Cys Ala   Cys Cys Cys
    2615                    2620                    2625


Cys Gly  Gly Ala Thr Cys Cys   Gly Cys Thr Cys Cys   Thr Thr Thr
    2630                    2635                    2640
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Ala Cys Cys Thr Gly Thr Thr Cys Thr Thr Cys Thr Thr Cys Thr
    2645   2650   2655

Gly Cys Thr Gly Ala Gly Gly Gly Cys Ala Gly Ala Ala Thr Gly
    2660   2665   2670

Ala Cys Cys Ala Gly Thr Gly Gly Gly Gly Ala Cys Ala Ala Gly
    2675   2680   2685

Ala Gly Cys Cys Ala Ala Gly Gly Gly Ala Ala Gly Cys Cys Cys
    2690   2695   2700

Ala Ala Gly Gly Cys Cys Thr Cys Ala Gly Cys Cys Ala Gly Thr
    2705   2710   2715

Thr Cys Cys Cys Ala Ala Gly Cys Cys Cys Cys Ala Gly Thr Gly
    2720   2725   2730

Cys Cys Ala Gly Thr Cys Ala Ala Gly Ala Gly Gly Cys Cys Thr
    2735   2740   2745

Gly Thr Cys Ala Ala Gly Cys Cys Thr Thr Cys Cys Ala Gly Gly
    2750   2755   2760

Thr Cys Ala Gly Ala Ala Ala Thr Gly Ala Gly Cys Cys Ala Gly
    2765   2770   2775

Cys Ala Gly Ala Cys Ala Ala Cys Ala Cys Cys Cys Ala Thr Cys
    2780   2785   2790

Cys Cys Ala Gly Cys Thr Cys Cys Ala Cys Gly Gly Cys Cys Ala
    2795   2800   2805

Cys Cys Cys Cys Thr Gly Cys Cys Ala Gly Thr Cys Ala Ala Gly
    2810   2815   2820

Ala Gly Thr Cys Cys Thr Gly Cys Thr Gly Thr Cys Cys Thr Gly
    2825   2830   2835

Cys Ala Gly Cys Thr Gly Cys Ala Ala Cys Ala Thr Thr Cys Cys
    2840   2845   2850

Ala Ala Ala Gly Gly Cys Ala Gly Ala Gly Ala Cys Thr Ala Cys
    2855   2860   2865

Cys Gly Thr Gly Ala Cys Ala Ala Cys Ala Cys Ala Gly Ala Ala
    2870   2875   2880

Cys Thr Cys Cys Cys Cys Cys Ala Cys Cys Ala Thr Gly Gly Cys
    2885   2890   2895

Ala Ala Gly Cys Ala Cys Cys Gly Cys Cys Ala Ala Gly Ala Gly
    2900   2905   2910

Gly Ala Gly Gly Gly Gly Cys Thr Gly Cys Thr Thr Gly Gly Cys
    2915   2920   2925

Ala Gly Gly Ala Cys Thr Gly Cys Cys Ala Thr Gly Cys Ala Gly
    2930   2935   2940

Thr Gly Ala Gly Cys Thr Gly Cys Thr Gly Gly Thr Gly Ala Thr
    2945   2950   2955

Cys Gly Gly Ala Gly Cys Cys Thr Gly Gly Ala Gly Gly Ala Ala
    2960   2965   2970

Cys Ala Gly Cys Ala Cys Ala Ala Ala Gly Cys Ala Gly Ala Cys
    2975   2980   2985

Cys Thr Gly Cys Gly Cys Cys Thr Cys Thr Cys Thr Cys Ala Gly
    2990   2995   3000

Gly Ala Thr Gly Cys Cys Thr Cys Thr Cys Thr Cys Ala Gly Gly
    3005   3010   3015

Ala Thr Gly Cys Cys Thr Cys Thr Thr Gly Gly Ala Gly Gly Ala
    3020   3025   3030

Cys Cys Thr Cys Cys Thr Gly Cys Thr Ala Gly Cys Thr Cys Thr
    3035   3040   3045

Thr Cys Thr Thr Gly Cys Cys Thr Ala Gly Cys Thr Thr Cys Ala
    3050   3055   3060

Ala Gly Thr Cys Cys Cys Ala Gly Gly Cys Thr Gly Thr Gly Thr
    3065   3070   3075

Ala Thr Thr Thr Thr Thr Thr Thr Thr Cys Ala Gly Gly Ala Ala
    3080   3085   3090

Ala Cys Gly Gly Cys Cys Thr Cys Ala Cys Thr Thr Cys Thr Cys
    3095   3100   3105

Thr Gly Thr Gly Gly Thr Cys Cys Ala Ala Gly Ala Ala Gly Thr
    3110   3115   3120

Gly Thr Gly Cys Thr Gly Cys Thr Gly Gly Cys Thr Gly Cys Cys
    3125   3130   3135

Ala Cys Ala Cys Thr Gly Thr Gly Cys Gly Gly Cys Ala Gly Ala
    3140   3145   3150

Thr Gly Cys Thr Ala Ala Ala Gly Cys Thr Gly Gly Ala Thr Gly
    3155   3160   3165

Ala Cys Ala Ala Ala Cys Gly Cys Ala Cys Gly Cys Cys Ala Thr
    3170   3175   3180

Ala Cys Ala Gly Ala Cys Ala Gly Cys Ala Gly Ala Cys Ala Gly
    3185   3190   3195

Cys Gly Gly Cys Ala Cys Thr Gly Gly Gly Thr Cys Thr Cys Ala
    3200   3205   3210

Gly Ala Ala Cys Thr Thr Gly Gly Ala Thr Thr Cys Cys Thr Gly
    3215   3220   3225

Gly Gly Cys Cys Thr Thr Cys Thr Thr Cys Cys Ala Gly Thr Cys
    3230   3235   3240

Gly Cys Cys Gly Thr Thr Thr Thr Ala Ala Ala Gly Ala Ala Ala
    3245   3250   3255

Gly Gly Ala Ala Cys Thr Ala Ala Cys Gly Gly Ala Gly Cys Thr

                3260   3265   3270

Gly Cys   Thr Cys Ala Thr Cys   Cys Gly Ala Gly Gly   Gly Thr Gly
      3275   3280   3285

Ala Ala   Gly Ala Thr Ala Thr   Ala Ala Ala Thr Ala   Ala Thr Ala
      3290   3295   3300

Ala Thr   Ala Thr Thr Ala Thr   Thr Ala Ala Thr Ala   Ala Thr Ala
      3305   3310   3315

Ala Thr   Ala Ala Cys Ala Gly   Thr Cys Ala Gly Gly   Thr Gly Cys
      3320   3325   3330

Cys Ala   Thr Gly Thr Gly Cys   Thr Gly Thr Gly Thr   Thr Ala Ala
      3335   3340   3345

Gly Thr   Gly Cys Thr Thr Thr   Ala Thr Gly Ala Ala   Cys Ala Thr
      3350   3355   3360

Thr Thr   Gly Thr Cys Gly Gly   Gly Cys Thr Gly Gly   Cys Cys Thr
      3365   3370   3375

Cys Cys   Ala Gly Thr Gly Cys   Thr Gly Ala Gly Gly   Thr Gly Cys
      3380   3385   3390

Cys Ala   Gly Thr Cys Ala Gly   Cys Cys Thr Gly Ala   Ala Cys Cys
      3395   3400   3405

Cys Thr   Ala Thr Gly Cys Cys   Cys Ala Gly Gly Cys   Cys Cys Ala
      3410   3415   3420

Cys Thr   Ala Ala Thr Cys Cys   Cys Ala Ala Ala Thr   Gly Gly Thr
      3425   3430   3435

Gly Gly   Gly Thr Cys Cys Thr   Gly Ala Gly Ala Thr   Gly Thr Thr
      3440   3445   3450

Thr Thr   Thr Ala Ala Ala Ala   Ala Gly Cys Ala Thr   Thr Ala Ala
      3455   3460   3465

Ala Gly Ala Ala Ala Ala Cys Cys Ala Thr Cys Gly Gly Thr Cys
    3470   3475   3480

Thr Cys Thr Thr Ala Gly Ala Gly Cys Thr Ala Ala Cys Cys Gly
    3485   3490   3495

Gly Cys Cys Gly Gly Gly Cys Thr Cys Thr Ala Cys Thr Gly Cys
    3500   3505   3510

Ala Gly Gly Gly Ala Cys Cys Cys Gly Ala Ala Cys Ala Gly Thr
    3515   3520   3525

Cys Thr Gly Cys Ala Thr Gly Gly Cys Thr Ala Ala Gly Thr Gly
    3530   3535   3540

Gly Cys Ala Cys Ala Ala Gly Gly Ala Gly Cys Cys Thr Gly Gly
    3545   3550   3555

Cys Cys Cys Thr Gly Thr Cys Cys Ala Gly Cys Thr Thr Cys Ala
    3560   3565   3570

Gly Ala Gly Ala Thr Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr
    3575   3580   3585

Thr Thr Thr Thr Gly Cys Thr Gly Gly Gly Gly Thr Thr Cys Thr
    3590   3595   3600

Gly Thr Cys Ala Cys Ala Gly Gly Cys Cys Thr Gly Ala Thr Cys
    3605   3610   3615

Cys Thr Cys Thr Thr Gly Gly Thr Thr Thr Thr Thr Ala Thr Gly
    3620   3625   3630

Gly Gly Gly Thr Thr Thr Cys Ala Ala Gly Thr Cys Thr Gly Cys
    3635   3640   3645

Cys Ala Gly Ala Gly Thr Cys Ala Gly Ala Ala Ala Thr Cys Ala
    3650   3655   3660

Gly Cys Thr Cys Thr Ala Ala Cys Thr Cys Gly Cys Cys Ala Gly
    3665   3670   3675

Thr Gly Ala Ala Gly Ala Gly Ala Thr Cys Thr Gly Gly Cys Cys
    3680   3685   3690

Thr Thr Ala Ala Cys Thr Thr Ala Ala Gly Cys Cys Ala Gly Cys
    3695   3700   3705

Cys Ala Cys Gly Thr Cys Ala Gly Gly Cys Cys Cys Cys Thr Gly
    3710   3715   3720

Cys Thr Gly Ala Gly Cys Cys Thr Ala Thr Gly Gly Ala Cys Cys
    3725   3730   3735

Ala Ala Thr Ala Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Gly
    3740   3745   3750

Thr Gly Cys Cys Ala Cys Thr Gly Gly Ala Gly Gly Thr Gly Gly
    3755   3760   3765

Gly Cys Ala Gly Cys Thr Ala Thr Cys Ala Cys Cys Ala Thr Ala
    3770   3775   3780

Cys Cys Cys Thr Gly Ala Gly Thr Thr Gly Gly Gly Cys Cys Ala
    3785   3790   3795

Ala Gly Cys Cys Cys Ala Cys Cys Cys Cys Ala Cys Cys Cys Cys
    3800   3805   3810

Thr Ala Cys Cys Cys Thr Gly Cys Ala Ala Cys Ala Thr Thr Thr
    3815   3820   3825

Cys Thr Gly Ala Thr Gly Thr Trp Cys Thr Gly Ala Gly Gly Ala
    3830   3835   3840

Ala Gly Ala Gly Thr Cys Thr Cys Cys Ala Cys Cys Ala Thr Ala
    3845   3850   3855

Gly Thr Cys Cys Cys Cys Ala Ala Gly Gly Gly Cys Thr Gly Ala
    3860   3865   3870

Gly Thr Thr Cys Thr Cys Cys Ala Gly Cys Cys Thr Gly Cys Thr
    3875   3880   3885

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Ala Thr  Cys Ala Gly Gly Gly  Ala Ala Gly Gly Thr  Gly Ala Gly
    3890              3895              3900

Cys Ala  Thr Thr Gly Gly Thr  Cys Cys Cys Ala Gly  Gly Cys Thr
    3905              3910              3915

Cys Thr  Cys Ala Ala Ala Ala  Thr Ala Gly Thr Gly  Cys Ala Gly
    3920              3925              3930

Cys Cys  Thr Cys Thr Thr Cys  Thr Thr Cys Cys Cys  Ala Ala Gly
    3935              3940              3945

Cys Thr  Cys Thr Gly Gly Gly  Gly Thr Gly Cys Ala  Cys Cys Cys
    3950              3955              3960

Thr Gly  Thr Gly Thr Cys Cys  Thr Thr Gly Gly Thr  Thr Ala Cys
    3965              3970              3975

Cys Ala  Gly Gly Ala Gly Ala  Cys Thr Ala Gly Gly  Gly Thr Thr
    3980              3985              3990

Gly Thr  Gly Ala Thr Ala Thr  Cys Thr Thr Thr  Cys Thr Thr
    3995              4000              4005

Gly Thr  Cys Thr Thr Gly Cys  Thr Thr Thr Thr Thr  Gly Ala Thr
    4010              4015              4020

Ala Thr  Ala Thr Cys Ala Gly  Gly Ala Thr Thr Ala  Ala Thr Gly
    4025              4030              4035

Thr Ala  Gly Gly Ala Ala Ala  Cys Cys Ala Gly Ala  Cys Cys Thr
    4040              4045              4050

Ala Gly  Ala Thr Thr Ala Thr  Thr Cys Ala Gly Gly  Ala Gly Ala
    4055              4060              4065

Gly Thr  Ala Gly Gly Thr Ala  Thr Ala Thr Cys Cys  Cys Cys Thr
    4070              4075              4080

Gly Thr  Gly Thr Thr Thr Cys  Cys Cys Ala Gly Thr  Cys Thr Gly
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```
    4085                    4090                    4095
```

```
Ala Gly  Thr Gly Ala Cys Cys  Ala Ala Thr Ala Ala  Ala Ala Thr
    4100                    4105                    4110
```

```
Thr Gly  Thr Gly Cys Cys Thr  Thr Thr Cys Thr Ala
    4115                    4120                    4125
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<210> 2
<211> 3942
<212> PRT
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<400> 2

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Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
1               5               10              15
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```
Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
         20              25              30
```

```
Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
         35              40              45
```

```
Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
    50              55              60
```

```
Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
65              70              75              80
```

```
Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
         85              90              95
```

```
Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Ala Cys Gly
         100             105             110
```

```
Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
         115             120             125
```

```
Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
    130             135             140
```

```
Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
```

145   150   155   160

Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
                165   170   175

Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
            180   185   190

Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
        195   200   205

Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
    210   215   220

Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
225   230   235   240

Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
            245   250   255

Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
        260   265   270

Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly
        275   280   285

Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
    290   295   300

Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr
305   310   315   320

Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
            325   330   335

Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys
        340   345   350

Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
        355   360   365

```
Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
    370             375             380
```

```
Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
385             390             395             400
```

```
Ala Cys Ala Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
            405             410             415
```

```
Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
        420             425             430
```

```
Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
        435             440             445
```

```
Thr Gly Gly Thr Gly Ala Thr Thr Thr Gly Gly Thr Gly Gly Ala
    450             455             460
```

```
Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
465             470             475             480
```

```
Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
        485             490             495
```

```
Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
        500             505             510
```

```
Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
    515             520             525
```

```
Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys
    530             535             540
```

```
Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala
545             550             555             560
```

```
Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala
            565             570             575
```

```
Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala
        580             585             590
```

```
Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys
        595             600             605


Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr
        610             615             620


Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala
625             630             635             640


Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
            645             650             655


Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly
            660             665             670


Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Gly Ala Cys Gly
        675             680             685


Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
    690             695             700


Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
705             710             715             720


Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
            725             730             735


Ala Gly Gly Ala Thr Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
        740             745             750


Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
        755             760             765


Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
    770             775             780


Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
785             790             795             800


Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Cys Ala
        805             810             815
```

Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
        820   825   830

Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
        835   840   845

Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
    850   855   860

Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
865   870   875   880

Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
            885   890   895

Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
            900   905   910

Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
        915   920   925

Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
        930   935   940

Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
945   950   955   960

Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
            965   970   975

Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Gly Thr Thr Cys Gly Thr
            980   985   990

Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
        995   1000   1005

Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
    1010   1015   1020

Ala Ala Gly Cys Thr Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr

          1025   1030   1035

Cys Ala Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys
    1040   1045   1050

Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly
    1055   1060   1065

Gly Cys Cys Cys Thr Gly Gly Gly Ala Gly Ala Cys Ala Ala Gly
    1070   1075   1080

Ala Ala Gly Cys Thr Ala Ala Gly Cys Cys Cys Ala Thr Thr Thr
    1085   1090   1095

Ala Ala Cys Ala Thr Cys Ala Cys Cys Cys Ala Cys Cys Gly Cys
    1100   1105   1110

Thr Thr Cys Ala Cys Cys Cys Ala Cys Cys Thr Cys Thr Thr Cys
    1115   1120   1125

Thr Gly Gly Cys Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Cys
    1130   1135   1140

Ala Ala Cys Thr Ala Cys Cys Gly Cys Gly Thr Gly Gly Ala Gly
    1145   1150   1155

Cys Thr Gly Cys Cys Cys Ala Cys Thr Thr Gly Gly Gly Ala Gly
    1160   1165   1170

Gly Cys Ala Gly Ala Gly Gly Cys Cys Ala Thr Cys Ala Thr Cys
    1175   1180   1185

Cys Ala Gly Ala Ala Gly Ala Thr Cys Ala Ala Gly Cys Ala Ala
    1190   1195   1200

Cys Ala Gly Cys Ala Gly Thr Ala Thr Thr Cys Ala Gly Ala Cys
    1205   1210   1215

Cys Thr Thr Cys Thr Gly Gly Cys Cys Cys Ala Cys Gly Ala Cys
    1220   1225   1230

Cys Ala Ala Cys Thr Gly Cys Thr Cys Cys Thr Gly Gly Ala Gly
    1235   1240   1245

Ala Gly Gly Ala Ala Gly Gly Ala Cys Cys Ala Gly Ala Ala Gly
    1250   1255   1260

Gly Thr Cys Thr Thr Cys Cys Thr Gly Cys Ala Cys Thr Thr Thr
    1265   1270   1275

Gly Ala Gly Gly Ala Gly Gly Ala Ala Gly Ala Gly Ala Thr Cys
    1280   1285   1290

Ala Cys Cys Thr Thr Cys Gly Cys Cys Cys Cys Cys Ala Cys Cys
    1295   1300   1305

Thr Ala Thr Cys Gly Ala Thr Thr Thr Gly Ala Ala Ala Gly Ala
    1310   1315   1320

Cys Thr Gly Ala Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Gly
    1325   1330   1335

Thr Ala Thr Gly Cys Ala Thr Ala Cys Ala Cys Gly Ala Ala Gly
    1340   1345   1350

Cys Ala Gly Ala Ala Ala Gly Cys Ala Ala Cys Ala Gly Gly Gly
    1355   1360   1365

Ala Thr Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly
    1370   1375   1380

Cys Cys Gly Thr Cys Cys Thr Gly Gly Thr Gly Cys Gly Ala Cys
    1385   1390   1395

Cys Gly Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly
    1400   1405   1410

Thr Cys Thr Thr Ala Cys Cys Cys Gly Cys Thr Gly Gly Thr Gly
    1415   1420   1425

Cys Ala Thr Gly Thr Gly Gly Thr Cys Thr Gly Thr Cys Ala Gly
    1430   1435   1440

Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
    1445   1450   1455

Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
    1460   1465   1470

Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
    1475   1480   1485

Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
    1490   1495   1500

Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
    1505   1510   1515

Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys Thr Cys Cys
    1520   1525   1530

Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
    1535   1540   1545

Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
    1550   1555   1560

Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
    1565   1570   1575

Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
    1580   1585   1590

Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
    1595   1600   1605

Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys
    1610   1615   1620

Thr Ala Cys Thr Thr Gly Gly Ala Gly Thr Thr Cys Cys Ala Cys
    1625   1630   1635

Thr Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Ala Gly Ala Gly
    1640   1645   1650

```
Ala Gly  Thr Thr Thr Thr Gly  Thr Cys Ala Ala Gly  Ala Gly Thr
    1655             1660             1665

Cys Ala  Gly Gly Ala Ala Gly  Gly Ala Gly Ala Gly  Ala Ala Thr
    1670             1675             1680

Gly Ala  Ala Gly Ala Gly Gly  Gly Ala Ala Gly Thr  Gly Ala Ala
    1685             1690             1695

Gly Gly  Ala Gly Ala Gly Cys  Thr Gly Gly Thr Gly  Gly Thr Ala
    1700             1705             1710

Cys Gly  Gly Thr Thr Thr Gly  Gly Ala Gly Ala Gly  Ala Cys Thr
    1715             1720             1725

Cys Thr  Thr Cys Cys Cys Ala  Ala Gly Cys Thr Ala  Ala Ala Gly
    1730             1735             1740

Cys Cys  Cys Ala Thr Thr Ala  Thr Cys Thr Cys Thr  Gly Ala Cys
    1745             1750             1755

Cys Cys  Cys Gly Ala Gly Thr  Ala Cys Thr Thr Ala  Cys Thr Gly
    1760             1765             1770

Gly Ala  Cys Cys Ala Gly Cys  Ala Thr Ala Thr Cys  Cys Thr Gly
    1775             1780             1785

Ala Thr  Cys Ala Gly Cys Ala  Thr Thr Ala Ala Ala  Thr Cys Cys
    1790             1795             1800

Thr Cys  Thr Gly Ala Cys Ala  Gly Thr Gly Ala Cys  Gly Ala Gly
    1805             1810             1815

Thr Cys  Cys Thr Ala Thr Gly  Gly Thr Gly Ala Ala  Gly Gly Cys
    1820             1825             1830

Thr Gly  Cys Ala Thr Thr Gly  Cys Cys Cys Thr Thr  Cys Gly Cys
    1835             1840             1845

Thr Thr  Gly Gly Ala Gly Ala  Cys Cys Ala Cys Ala  Gly Ala Gly
```

```
        1850                    1855                   1860


Gly Cys  Thr Cys Ala Gly Cys  Ala Thr Cys Cys Thr  Ala Thr Cys
    1865                1870                1875


Thr Ala  Cys Ala Cys Gly Cys  Cys Thr Cys Thr Cys  Ala Cys Cys
    1880                1885                1890


Cys Ala  Cys Cys Ala Thr Gly  Gly Gly Gly Ala Gly  Ala Thr Gly
    1895                1900                1905


Ala Cys  Thr Gly Gly Cys Cys  Ala Cys Thr Thr Cys  Ala Gly Gly
    1910                1915                1920


Gly Gly  Ala Gly Ala Gly Ala  Thr Thr Ala Ala Gly  Cys Thr Gly
    1925                1930                1935


Cys Ala  Gly Ala Cys Cys Thr  Cys Cys Cys Ala Gly  Gly Gly Cys
    1940                1945                1950


Ala Ala  Gly Ala Thr Gly Ala  Gly Gly Gly Ala Gly  Ala Ala Gly
    1955                1960                1965


Cys Thr  Cys Thr Ala Thr Gly  Ala Cys Thr Thr Thr  Gly Thr Gly
    1970                1975                1980


Ala Ala  Gly Ala Cys Ala Gly  Ala Gly Cys Gly Gly  Gly Ala Thr
    1985                1990                1995


Gly Ala  Ala Thr Cys Cys Ala  Gly Thr Gly Gly Ala  Ala Thr Gly
    2000                2005                2010


Ala Ala  Ala Thr Gly Cys Thr  Thr Gly Ala Ala Gly  Ala Ala Cys
    2015                2020                2025


Cys Thr  Cys Ala Cys Cys Ala  Gly Cys Cys Ala Thr  Gly Ala Cys
    2030                2035                2040


Cys Cys  Thr Ala Thr Gly Ala  Gly Gly Cys Ala Ala  Thr Gly Gly
    2045                2050                2055
```

```
Gly Ala  Gly Cys Cys Thr Thr  Cys Thr Gly Gly Cys  Ala Gly Gly
    2060                2065                2070
```

```
Gly Thr  Cys Cys Cys Thr Gly  Cys Ala Thr Gly Thr  Gly Gly Thr
    2075                2080                2085
```

```
Gly Thr  Cys Thr Cys Cys Ala  Gly Cys Cys Thr Cys  Ala Ala Thr
    2090                2095                2100
```

```
Gly Ala  Gly Ala Thr Gly Ala  Thr Cys Ala Ala Thr  Cys Cys Ala
    2105                2110                2115
```

```
Ala Ala  Cys Thr Ala Cys Ala  Thr Thr Gly Cys Cys  Ala Ala Cys
    2120                2125                2130
```

```
Cys Gly  Ala Gly Gly Thr Cys  Cys Cys Thr Gly Cys  Cys Cys Cys
    2135                2140                2145
```

```
Ala Gly  Gly Gly Thr Gly Cys  Ala Ala Gly Ala Gly  Gly Cys Ala
    2150                2155                2160
```

```
Ala Gly  Ala Cys Cys Thr Gly  Gly Gly Gly Ala Thr  Cys Thr Gly
    2165                2170                2175
```

```
Gly Gly  Ala Ala Ala Gly Gly  Thr Gly Gly Ala Ala  Gly Cys Thr
    2180                2185                2190
```

```
Cys Thr  Gly Cys Thr Cys Cys  Ala Gly Gly Ala Gly  Gly Ala Cys
    2195                2200                2205
```

```
Cys Thr  Gly Cys Thr Gly Cys  Thr Gly Ala Cys Gly  Ala Ala Gly
    2210                2215                2220
```

```
Cys Cys  Cys Gly Ala Gly Ala  Thr Gly Thr Thr Thr  Gly Ala Gly
    2225                2230                2235
```

```
Ala Ala  Cys Cys Cys Ala Cys  Thr Gly Thr Ala Thr  Gly Gly Ala
    2240                2245                2250
```

```
Thr Cys  Cys Gly Thr Gly Ala  Gly Thr Thr Cys Cys  Thr Thr Cys
    2255                2260                2265
```

```
Cys Cys  Thr Ala Ala Gly Cys  Thr Gly Gly Thr Gly  Cys Cys Cys
    2270                2275            2280

Ala Gly  Gly Ala Ala Ala Gly  Ala Gly Cys Ala Gly  Gly Ala Gly
    2285                2290                2295

Thr Cys  Thr Cys Cys Cys Ala  Ala Gly Ala Thr Gly  Cys Thr Gly
    2300                2305            2310

Cys Gly  Gly Ala Ala Gly Gly  Ala Gly Cys Cys Cys  Cys Cys Gly
    2315                2320            2325

Cys Cys  Cys Thr Gly Thr Cys  Cys Ala Gly Ala Cys  Cys Cys Ala
    2330                2335            2340

Gly Gly  Ala Ala Thr Cys Thr  Cys Ala Thr Cys Ala  Cys Cys Cys
    2345                2350            2355

Ala Gly  Cys Ala Thr Cys Gly  Thr Gly Cys Thr Cys  Cys Cys Cys
    2360                2365            2370

Ala Ala  Ala Gly Cys Cys Cys  Ala Ala Gly Ala Gly  Gly Thr Gly
    2375                2380            2385

Gly Ala  Gly Ala Gly Thr Gly  Thr Cys Ala Ala Gly  Gly Gly Gly
    2390                2395            2400

Ala Cys  Ala Ala Gly Cys Ala  Ala Ala Cys Ala Gly  Gly Cys Cys
    2405                2410            2415

Cys Cys  Thr Gly Thr Gly Cys  Cys Thr Gly Thr Cys  Cys Thr Thr
    2420                2425            2430

Gly Gly  Cys Cys Cys Cys Ala  Cys Ala Cys Cys Cys  Cys Gly Gly
    2435                2440            2445

Ala Thr  Cys Cys Gly Cys Thr  Cys Cys Thr Thr Thr  Ala Cys Cys
    2450                2455            2460

Thr Gly  Thr Thr Cys Thr Thr  Cys Thr Thr Cys Thr  Gly Cys Thr
    2465                2470            2475
```

```
Gly Ala   Gly Gly Gly Cys Ala   Gly Ala Ala Thr Gly   Ala Cys Cys
    2480                  2485                  2490


Ala Gly   Thr Gly Gly Gly Gly   Ala Cys Ala Ala Gly   Ala Gly Cys
    2495                  2500                  2505


Cys Ala   Ala Gly Gly Gly Ala   Ala Gly Cys Cys Cys   Ala Ala Gly
    2510                  2515                  2520


Gly Cys   Cys Thr Cys Ala Gly   Cys Cys Ala Gly Thr   Thr Cys Cys
    2525                  2530                  2535


Cys Ala   Ala Gly Cys Cys Cys   Cys Ala Gly Thr Gly   Cys Cys Ala
    2540                  2545                  2550


Gly Thr   Cys Ala Ala Gly Ala   Gly Gly Cys Cys Thr   Gly Thr Cys
    2555                  2560                  2565


Ala Ala   Gly Cys Cys Thr Thr   Cys Cys Ala Gly Gly   Thr Cys Ala
    2570                  2575                  2580


Gly Ala   Ala Ala Thr Gly Ala   Gly Cys Cys Ala Gly   Cys Ala Gly
    2585                  2590                  2595


Ala Cys   Ala Ala Cys Ala Cys   Cys Cys Ala Thr Cys   Cys Cys Ala
    2600                  2605                  2610


Gly Cys   Thr Cys Cys Ala Cys   Gly Gly Cys Cys Ala   Cys Cys Cys
    2615                  2620                  2625


Cys Thr   Gly Cys Cys Ala Gly   Thr Cys Ala Ala Gly   Ala Gly Thr
    2630                  2635                  2640


Cys Cys   Thr Gly Cys Thr Gly   Thr Cys Cys Thr Gly   Cys Ala Gly
    2645                  2650                  2655


Cys Thr   Gly Cys Ala Ala Cys   Ala Thr Thr Cys Cys   Ala Ala Ala
    2660                  2665                  2670


Gly Gly   Cys Ala Gly Ala Gly   Ala Cys Thr Ala Cys   Cys Gly Thr
```

```
            2675                    2680                    2685


Gly Ala  Cys Ala Ala Cys Ala  Cys Ala Gly Ala Ala  Cys Thr Cys
    2690                    2695                    2700


Cys Cys  Cys Cys Ala Cys Cys  Ala Thr Gly Gly Cys  Ala Ala Gly
    2705                    2710                    2715


Cys Ala  Cys Cys Gly Cys Cys  Ala Ala Gly Ala Gly  Gly Ala Gly
    2720                    2725                    2730


Gly Gly  Gly Cys Thr Gly Cys  Thr Thr Gly Gly Cys  Ala Gly Gly
    2735                    2740                    2745


Ala Cys  Thr Gly Cys Cys Ala  Thr Gly Cys Ala Gly  Thr Gly Ala
    2750                    2755                    2760


Gly Cys  Thr Gly Cys Thr Gly  Gly Thr Gly Ala Thr  Cys Gly Gly
    2765                    2770                    2775


Ala Gly  Cys Cys Thr Gly Gly  Ala Gly Gly Ala Ala  Cys Ala Gly
    2780                    2785                    2790


Cys Ala  Cys Ala Ala Ala Gly  Cys Ala Gly Ala Cys  Cys Thr Gly
    2795                    2800                    2805


Cys Gly  Cys Cys Thr Cys Thr  Cys Thr Cys Ala Gly  Gly Ala Thr
    2810                    2815                    2820


Gly Cys  Cys Thr Cys Thr Cys  Thr Cys Ala Gly Gly  Ala Thr Gly
    2825                    2830                    2835


Cys Cys  Thr Cys Thr Thr Gly  Gly Ala Gly Gly Ala  Cys Cys Thr
    2840                    2845                    2850


Cys Cys  Thr Gly Cys Thr Ala  Gly Cys Thr Cys Thr  Thr Cys Thr
    2855                    2860                    2865


Thr Gly  Cys Cys Thr Ala Gly  Cys Thr Thr Cys Ala  Ala Gly Thr
    2870                    2875                    2880
```

```
Cys Cys  Cys Ala Gly Gly Cys  Thr Gly Thr Gly Thr  Ala Thr Thr
    2885                  2890              2895


Thr Thr  Thr Thr Thr Thr Cys  Ala Gly Gly Ala Ala  Ala Cys Gly
    2900                  2905              2910


Gly Cys  Cys Thr Cys Ala Cys  Thr Thr Cys Thr Cys  Thr Gly Thr
    2915                  2920              2925


Gly Gly  Thr Cys Cys Ala Ala  Gly Ala Ala Gly Thr  Gly Thr Gly
    2930                  2935              2940


Cys Thr  Gly Cys Thr Gly Gly  Cys Thr Gly Cys Cys  Ala Cys Ala
    2945                  2950              2955


Cys Thr  Gly Thr Gly Cys Gly  Gly Cys Ala Gly Ala  Thr Gly Cys
    2960                  2965              2970


Thr Ala  Ala Ala Gly Cys Thr  Gly Gly Ala Thr Gly  Ala Cys Ala
    2975                  2980              2985


Ala Ala  Cys Gly Cys Ala Cys  Gly Cys Cys Ala Thr  Ala Cys Ala
    2990                  2995              3000


Gly Ala  Cys Ala Gly Cys Ala  Gly Ala Cys Ala Gly  Cys Gly Gly
    3005                  3010              3015


Cys Ala  Cys Thr Gly Gly Gly  Thr Cys Thr Cys Ala  Gly Ala Ala
    3020                  3025              3030


Cys Thr  Thr Gly Gly Ala Thr  Thr Cys Cys Thr Gly  Gly Gly Cys
    3035                  3040              3045


Cys Thr  Thr Cys Thr Thr Cys  Cys Ala Gly Thr Cys  Gly Cys Cys
    3050                  3055              3060


Gly Thr  Thr Thr Thr Ala Ala  Ala Gly Ala Ala Ala  Gly Gly Ala
    3065                  3070              3075


Ala Cys  Thr Ala Ala Cys Gly  Gly Ala Gly Cys Thr  Gly Cys Thr
    3080                  3085              3090
```

```
Cys Ala  Thr Cys Cys Gly Ala  Gly Gly Gly Thr Gly  Ala Ala Gly
    3095                 3100             3105

Ala Thr  Ala Thr Ala Ala Ala  Thr Ala Ala Thr Ala  Ala Thr Ala
    3110                 3115                 3120

Thr Thr  Ala Thr Thr Ala Ala  Thr Ala Ala Thr Ala  Ala Thr Ala
    3125                 3130                 3135

Ala Cys  Ala Gly Thr Cys Ala  Gly Gly Thr Gly Cys  Cys Ala Thr
    3140                 3145                 3150

Gly Thr  Gly Cys Thr Gly Thr  Gly Thr Thr Ala Ala  Gly Thr Gly
    3155                 3160                 3165

Cys Thr  Thr Thr Ala Thr Gly  Ala Ala Cys Ala Thr  Thr Thr Gly
    3170                 3175                 3180

Thr Cys  Gly Gly Gly Cys Thr  Gly Gly Cys Cys Thr  Cys Cys Ala
    3185                 3190                 3195

Gly Thr  Gly Cys Thr Gly Ala  Gly Gly Thr Gly Cys  Cys Ala Gly
    3200                 3205                 3210

Thr Cys  Ala Gly Cys Cys Thr  Gly Ala Ala Cys Cys  Cys Thr Ala
    3215                 3220                 3225

Thr Gly  Cys Cys Cys Ala Gly  Gly Cys Cys Cys Ala  Cys Thr Ala
    3230                 3235                 3240

Ala Thr  Cys Cys Cys Ala Ala  Ala Thr Gly Gly Thr  Gly Gly Gly
    3245                 3250                 3255

Thr Cys  Cys Thr Gly Ala Gly  Ala Thr Gly Thr Thr  Thr Thr Thr
    3260                 3265                 3270

Ala Ala  Ala Ala Ala Gly Cys  Ala Thr Thr Ala Ala  Ala Gly Ala
    3275                 3280                 3285

Ala Ala  Ala Cys Cys Ala Thr  Cys Gly Gly Thr Cys  Thr Cys Thr
    3290                 3295                 3300
```

Thr Ala   Gly Ala Gly Cys Thr   Ala Ala Cys Cys Gly   Gly Cys Cys
    3305   3310   3315

Gly Gly   Gly Cys Thr Cys Thr   Ala Cys Thr Gly Cys   Ala Gly Gly
    3320   3325   3330

Gly Ala   Cys Cys Cys Gly Ala   Ala Cys Ala Gly Thr   Cys Thr Gly
    3335   3340   3345

Cys Ala   Thr Gly Gly Cys Thr   Ala Ala Gly Thr Gly   Gly Cys Ala
    3350   3355   3360

Cys Ala   Ala Gly Gly Ala Gly   Cys Cys Thr Gly Gly   Cys Cys Cys
    3365   3370   3375

Thr Gly   Thr Cys Cys Ala Gly   Cys Thr Thr Cys Ala   Gly Ala Gly
    3380   3385   3390

Ala Thr   Cys Cys Ala Ala Gly   Cys Thr Gly Cys Thr   Thr Thr Thr
    3395   3400   3405

Thr Gly   Cys Thr Gly Gly Gly   Gly Thr Thr Cys Thr   Gly Thr Cys
    3410   3415   3420

Ala Cys   Ala Gly Gly Cys Cys   Thr Gly Ala Thr Cys   Cys Thr Cys
    3425   3430   3435

Thr Thr   Gly Gly Thr Thr Thr   Thr Thr Ala Thr Gly   Gly Gly Gly
    3440   3445   3450

Thr Thr   Thr Cys Ala Ala Gly   Thr Cys Thr Gly Cys   Cys Ala Gly
    3455   3460   3465

Ala Gly   Thr Cys Ala Gly Ala   Ala Ala Thr Cys Ala   Gly Cys Thr
    3470   3475   3480

Cys Thr   Ala Ala Cys Thr Cys   Gly Cys Cys Ala Gly   Thr Gly Ala
    3485   3490   3495

Ala Gly   Ala Gly Ala Thr Cys   Thr Gly Gly Cys Cys   Thr Thr Ala

```
         3500                    3505                    3510


Ala Cys  Thr Thr Ala Ala Gly  Cys Cys Ala Gly Cys  Cys Ala Cys
    3515                    3520                    3525


Gly Thr  Cys Ala Gly Gly Cys  Cys Cys Cys Thr Gly  Cys Thr Gly
    3530                    3535                    3540


Ala Gly  Cys Cys Thr Ala Thr  Gly Gly Ala Cys Cys  Ala Ala Thr
    3545                    3550                    3555


Ala Ala  Ala Thr Ala Cys Thr  Cys Cys Cys Cys Gly  Thr Gly Cys
    3560                    3565                    3570


Cys Ala  Cys Thr Gly Gly Ala  Gly Gly Thr Gly Gly  Gly Cys Ala
    3575                    3580                    3585


Gly Cys  Thr Ala Thr Cys Ala  Cys Cys Ala Thr Ala  Cys Cys Cys
    3590                    3595                    3600


Thr Gly  Ala Gly Thr Thr Gly  Gly Gly Cys Cys Ala  Ala Gly Cys
    3605                    3610                    3615


Cys Cys  Ala Cys Cys Cys Cys  Ala Cys Cys Cys Cys  Thr Ala Cys
    3620                    3625                    3630


Cys Cys  Thr Gly Cys Ala Ala  Cys Ala Thr Thr Thr  Cys Thr Gly
    3635                    3640                    3645


Ala Thr  Gly Thr Trp Cys Thr  Gly Ala Gly Gly Ala  Ala Gly Ala
    3650                    3655                    3660


Gly Thr  Cys Thr Cys Cys Ala  Cys Cys Ala Thr Ala  Gly Thr Cys
    3665                    3670                    3675


Cys Cys  Cys Ala Ala Gly Gly  Gly Cys Thr Gly Ala  Gly Thr Thr
    3680                    3685                    3690


Cys Thr  Cys Cys Ala Gly Cys  Cys Thr Gly Cys Thr  Ala Thr Cys
    3695                    3700                    3705
```

Ala Gly Gly Gly Ala Ala Gly Gly Thr Gly Ala Gly Cys Ala Thr
    3710   3715   3720

Thr Gly Gly Thr Cys Cys Cys Ala Gly Gly Cys Thr Cys Thr Cys
    3725   3730   3735

Ala Ala Ala Ala Thr Ala Gly Thr Gly Cys Ala Gly Cys Cys Thr
    3740   3745   3750

Cys Thr Thr Cys Thr Thr Cys Cys Cys Ala Ala Gly Cys Thr Cys
    3755   3760   3765

Thr Gly Gly Gly Gly Thr Gly Cys Ala Cys Cys Cys Thr Gly Thr
    3770   3775   3780

Gly Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Cys Cys Ala Gly
    3785   3790   3795

Gly Ala Gly Ala Cys Thr Ala Gly Gly Gly Thr Thr Gly Thr Gly
    3800   3805   3810

Ala Thr Ala Thr Cys Thr Thr Thr Thr Cys Thr Thr Gly Thr Cys
    3815   3820   3825

Thr Thr Gly Cys Thr Thr Thr Thr Thr Gly Ala Thr Ala Thr Ala
    3830   3835   3840

Thr Cys Ala Gly Gly Ala Thr Thr Ala Ala Thr Gly Thr Ala Gly
    3845   3850   3855

Gly Ala Ala Ala Cys Cys Ala Gly Ala Cys Cys Thr Ala Gly Ala
    3860   3865   3870

Thr Thr Ala Thr Thr Cys Ala Gly Gly Ala Gly Ala Gly Thr Ala
    3875   3880   3885

Gly Gly Thr Ala Thr Ala Thr Cys Cys Cys Cys Thr Gly Thr Gly
    3890   3895   3900

Thr Thr Thr Cys Cys Cys Ala Gly Thr Cys Thr Gly Ala Gly Thr
    3905   3910   3915

```
Gly Ala  Cys Cys Ala Ala Thr  Ala Ala Ala Ala Thr  Thr Gly Thr
    3920             3925              3930
```

```
Gly Cys  Cys Thr Thr Thr Cys  Thr Ala
    3935             3940
```

<210> 3
<211> 4147
<212> PRT
<213> Homo sapiens

<400> 3

```
Cys Gly Cys Cys Cys Ala Cys Thr Ala Ala Thr Cys Cys Thr Thr Gly
1           5               10              15
```

```
Ala Thr Gly Thr Thr Cys Ala Cys Cys Thr Thr Gly Thr Cys Cys Cys
        20              25              30
```

```
Cys Thr Gly Cys Cys Cys Cys Cys Ala Gly Ala Gly Ala Ala Gly Thr
        35              40              45
```

```
Cys Ala Thr Cys Cys Gly Gly Ala Cys Cys Cys Thr Cys Cys Cys Ala
    50              55              60
```

```
Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr Gly Cys
65              70              75              80
```

```
Ala Gly Ala Gly Gly Thr Thr Ala Thr Thr Thr Gly Ala Cys Cys Ala
            85              90              95
```

```
Gly Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Gly Gly Gly Cys
        100             105             110
```

```
Cys Thr Cys Cys Gly Thr Cys Cys Ala Cys Gly Thr Cys Cys Thr Cys
        115             120             125
```

```
Ala Gly Gly Thr Thr Cys Cys Thr Gly Gly Thr Gly Ala Gly Gly Cys
    130             135             140
```

```
Cys Ala Ala Thr Cys Cys Cys Ala Thr Cys Ala Ala Cys Ala Thr Gly
145             150             155             160
```

Gly Thr Gly Thr Cys Cys Ala Ala Gly Cys Thr Cys Ala Gly Cys Cys
            165   170   175

Ala Ala Cys Thr Gly Ala Cys Ala Ala Gly Cys Cys Thr Gly Thr Thr
            180   185   190

Gly Thr Cys Ala Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly Ala Cys
            195   200   205

Ala Ala Gly Gly Thr Cys Ala Ala Gly Gly Cys Cys Thr Thr Gly Cys
        210   215   220

Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Thr Cys Cys Thr Gly Ala
225   230   235   240

Gly Thr Cys Thr Cys Cys Gly Cys Ala Cys Cys Gly Gly Cys Cys Cys
            245   250   255

Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys Ala Gly
            260   265   270

Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly Ala Ala
            275   280   285

Gly Gly Cys Ala Gly Ala Gly Thr Cys Thr Cys Thr Gly Gly Gly Gly
        290   295   300

Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr Gly Cys
305   310   315   320

Ala Gly Cys Thr Cys Ala Ala Ala Gly Thr Cys Gly Ala Cys Gly Thr
            325   330   335

Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys Thr Gly
            340   345   350

Ala Thr Cys Ala Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys Cys Ala
            355   360   365

Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly Gly Ala
        370   375   380

```
Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys Ala Cys
385             390             395                 400


Ala Ala Gly Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala Gly Cys
            405                 410                 415


Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Ala Cys Ala Gly Ala Ala
            420             425             430


Ala Thr Thr Thr Cys Thr Gly Ala Ala Thr Ala Ala Gly Thr Thr Gly
        435             440             445


Gly Thr Gly Ala Thr Cys Thr Thr Gly Gly Thr Gly Gly Ala Ala Ala
    450             455             460


Cys Ala Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Gly Ala Thr
465             470             475                 480


Cys Cys Thr Gly Cys Gly Gly Ala Ala Gly Gly Ala Ala Thr Ala Thr
            485             490                 495


Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys Cys Ala
        500             505             510


Ala Ala Ala Ala Gly Ala Gly Ala Gly Ala Ala Gly Gly Cys Thr Thr
        515             520             525


Cys Thr Gly Cys Cys Ala Gly Cys Thr Cys Cys Thr Gly Cys Ala Gly
    530             535             540


Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala Gly Cys
545             550             555                 560


Ala Cys Thr Cys Ala Gly Ala Gly Cys Ala Gly Cys Cys Gly Gly Ala
            565             570                 575


Gly Cys Cys Cys Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala Cys Cys
            580             585             590


Ala Thr Cys Thr Thr Cys Ala Thr Cys Gly Gly Cys Ala Cys Cys Thr
```

<pre>
           595   600   605

Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Cys Gly Cys
    610   615   620

Cys Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala Ala Gly
625   630   635   640

Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr Thr Cys
              645   650   655

Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly Gly Gly
              660   665   670

Ala Ala Ala Gly Ala Cys Gly Cys Gly Gly Gly Ala Cys Gly Ala Cys
          675   680   685

Thr Cys Thr Gly Cys Gly Gly Ala Cys Thr Ala Cys Ala Thr Cys Cys
    690   695   700

Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Cys Gly Thr
705   710   715   720

Gly Ala Thr Cys Gly Gly Cys Ala Cys Cys Cys Ala Ala Gly Ala Gly
              725   730   735

Gly Ala Cys Cys Cys Cys Cys Thr Gly Ala Gly Thr Gly Ala Gly Ala
          740   745   750

Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly Ala Thr
    755   760   765

Cys Cys Thr Cys Ala Ala Ala Cys Ala Cys Thr Cys Cys Cys Thr Gly
    770   775   780

Cys Ala Ala Gly Ala Ala Ala Thr Cys Ala Cys Cys Ala Gly Thr Gly
785   790   795   800

Thr Gly Ala Cys Thr Thr Thr Thr Ala Ala Ala Ala Cys Ala Gly Thr
              805   810   815
</pre>

```
Cys Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Gly Cys Thr Cys
        820                 825                 830


Thr Gly Gly Ala Ala Cys Ala Thr Cys Cys Gly Cys Ala Thr Cys Gly
        835                 840                 845


Thr Gly Gly Thr Gly Cys Thr Gly Gly Cys Cys Ala Ala Gly Cys Cys
        850                 855                 860


Thr Gly Ala Gly Cys Ala Cys Gly Ala Gly Ala Ala Cys Cys Gly Gly
865                 870                 875                 880


Ala Thr Cys Ala Gly Cys Cys Ala Cys Ala Thr Cys Thr Gly Thr Ala
                885                 890                 895


Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly Ala Cys
        900                 905                 910


Ala Gly Gly Cys Ala Thr Thr Gly Cys Ala Ala Ala Cys Ala Cys Ala
        915                 920                 925


Cys Thr Gly Gly Gly Gly Ala Ala Cys Ala Ala Gly Gly Gly Ala Gly
    930                 935                 940


Cys Cys Gly Thr Gly Gly Gly Gly Thr Gly Thr Cys Gly Thr Thr
945                 950                 955                 960


Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala Cys Cys
                965                 970                 975


Thr Cys Cys Thr Thr Ala Gly Gly Gly Thr Thr Cys Gly Thr Cys Ala
        980                 985                 990


Ala Cys Ala Gly Cys Cys Ala Cys  Thr Thr Gly Ala Cys  Thr Thr Cys
        995                 1000                1005


Ala Gly  Gly Ala Ala Gly Thr  Gly Ala Ala Ala Ala  Gly Ala Ala
    1010                1015                1020


Ala Cys  Thr Cys Ala Gly Gly  Cys Gly Ala Ala Ala  Cys Cys Ala
    1025                1030                1035
```

Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys Ala Thr
    1040   1045   1050

Thr Cys Thr Cys Cys Gly Gly Thr Thr Cys Cys Thr Gly Gly Cys
    1055   1060   1065

Cys Cys Thr Gly Gly Gly Cys Gly Ala Cys Ala Ala Gly Ala Ala
    1070   1075   1080

Gly Cys Thr Gly Ala Gly Thr Cys Cys Cys Thr Thr Thr Ala Ala
    1085   1090   1095

Cys Ala Thr Cys Ala Cys Thr Cys Ala Cys Cys Gly Cys Thr Thr
    1100   1105   1110

Cys Ala Cys Gly Cys Ala Cys Cys Thr Cys Thr Thr Cys Thr Gly
    1115   1120   1125

Gly Thr Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Thr Ala Ala
    1130   1135   1140

Cys Thr Ala Cys Cys Gly Thr Gly Thr Gly Gly Ala Thr Cys Thr
    1145   1150   1155

Gly Cys Cys Thr Ala Cys Cys Thr Gly Gly Gly Ala Gly Gly Cys
    1160   1165   1170

Ala Gly Ala Ala Ala Cys Cys Ala Thr Cys Ala Thr Cys Cys Ala
    1175   1180   1185

Gly Ala Ala Ala Ala Thr Cys Ala Ala Gly Cys Ala Gly Cys Ala
    1190   1195   1200

Gly Cys Ala Gly Thr Ala Cys Gly Cys Ala Gly Ala Cys Cys Thr
    1205   1210   1215

Cys Cys Thr Gly Thr Cys Cys Cys Ala Cys Gly Ala Cys Cys Ala
    1220   1225   1230

Gly Cys Thr Gly Cys Thr Cys Ala Cys Ala Gly Ala Gly Ala Gly
    1235   1240   1245

```
Gly Ala  Gly Gly Gly Ala Gly  Cys Ala Gly Ala Ala  Gly Gly Thr
    1250              1255              1260

Cys Thr  Thr Cys Cys Thr Ala  Cys Ala Cys Thr Thr  Cys Gly Ala
    1265              1270              1275

Gly Gly  Ala Gly Gly Ala Ala  Gly Ala Ala Ala Thr  Cys Ala Cys
    1280              1285              1290

Gly Thr  Thr Thr Gly Cys Cys  Cys Cys Ala Ala Cys  Cys Thr Ala
    1295              1300              1305

Cys Cys  Gly Thr Thr Thr Thr  Gly Ala Gly Ala Gly  Ala Cys Thr
    1310              1315              1320

Gly Ala  Cys Thr Cys Gly Gly  Gly Ala Cys Ala Ala  Ala Thr Ala
    1325              1330              1335

Cys Gly  Cys Cys Thr Ala Cys  Ala Cys Cys Ala Ala  Gly Cys Ala
    1340              1345              1350

Gly Ala  Ala Ala Gly Cys Gly  Ala Cys Ala Gly Gly  Gly Ala Thr
    1355              1360              1365

Gly Ala  Ala Gly Thr Ala Cys  Ala Ala Cys Thr Thr  Gly Cys Cys
    1370              1375              1380

Thr Thr  Cys Cys Thr Gly Gly  Thr Gly Thr Gly Ala  Cys Cys Gly
    1385              1390              1395

Ala Gly  Thr Cys Cys Thr Cys  Thr Gly Gly Ala Ala  Gly Thr Cys
    1400              1405              1410

Thr Thr  Ala Thr Cys Cys Cys  Cys Thr Gly Gly Thr  Gly Cys Ala
    1415              1420              1425

Cys Gly  Thr Gly Gly Thr Gly  Thr Gly Thr Cys Ala  Gly Thr Cys
    1430              1435              1440

Thr Thr  Ala Thr Gly Gly Cys  Ala Gly Thr Ala Cys  Cys Ala Gly
```

```
            1445                   1450                  1455


Cys Gly  Ala Cys Ala Thr Cys  Ala Thr Gly Ala Cys  Gly Ala Gly
     1460                   1465                  1470


Thr Gly  Ala Cys Cys Ala Cys  Ala Gly Cys Cys Cys  Thr Gly Thr
     1475                   1480                  1485


Cys Thr  Thr Thr Gly Cys Cys  Ala Cys Ala Thr Thr  Thr Gly Ala
     1490                   1495                  1500


Gly Gly  Cys Ala Gly Gly Ala  Gly Thr Cys Ala Cys  Thr Thr Cys
     1505                   1510                  1515


Cys Cys  Ala Gly Thr Thr Thr  Gly Thr Cys Thr Cys  Cys Ala Ala
     1520                   1525                  1530


Gly Ala  Ala Cys Gly Gly Thr  Cys Cys Cys Gly Gly  Gly Ala Cys
     1535                   1540                  1545


Thr Gly  Thr Thr Gly Ala Cys  Ala Gly Cys Cys Ala  Ala Gly Gly
     1550                   1555                  1560


Ala Cys  Ala Gly Ala Thr Thr  Gly Ala Gly Thr Thr  Thr Cys Thr
     1565                   1570                  1575


Cys Ala  Gly Gly Thr Gly Cys  Thr Ala Thr Gly Cys  Cys Ala Cys
     1580                   1585                  1590


Ala Thr  Thr Gly Ala Ala Gly  Ala Cys Cys Ala Ala  Gly Thr Cys
     1595                   1600                  1605


Cys Cys  Ala Gly Ala Cys Cys  Ala Ala Ala Thr Thr  Cys Thr Ala
     1610                   1615                  1620


Cys Cys  Thr Gly Gly Ala Gly  Thr Thr Cys Cys Ala  Cys Thr Cys
     1625                   1630                  1635


Gly Ala  Gly Cys Thr Gly Cys  Thr Thr Gly Gly Ala  Gly Ala Gly
     1640                   1645                  1650
```

```
Thr  Thr   Thr  Thr  Gly  Thr  Cys   Ala  Ala  Gly  Ala  Gly   Thr  Cys  Ala
     1655                      1660                      1665


Gly  Gly   Ala  Ala  Gly  Gly  Ala   Gly  Ala  Ala  Ala  Ala   Thr  Gly  Ala
     1670                      1675                      1680


Ala  Gly   Ala  Ala  Gly  Gly  Ala   Ala  Gly  Thr  Gly  Ala   Gly  Gly  Gly
     1685                      1690                      1695


Gly  Gly   Ala  Gly  Cys  Thr  Gly   Gly  Thr  Gly  Gly  Thr   Gly  Ala  Ala
     1700                      1705                      1710


Gly  Thr   Thr  Thr  Gly  Gly  Thr   Gly  Ala  Gly  Ala  Cys   Thr  Cys  Thr
     1715                      1720                      1725


Thr  Cys   Cys  Ala  Ala  Ala  Gly   Cys  Thr  Gly  Ala  Ala   Gly  Cys  Cys
     1730                      1735                      1740


Cys  Ala   Thr  Thr  Ala  Thr  Cys   Thr  Cys  Thr  Gly  Ala   Cys  Cys  Cys
     1745                      1750                      1755


Thr  Gly   Ala  Gly  Thr  Ala  Cys   Cys  Thr  Gly  Cys  Thr   Ala  Gly  Ala
     1760                      1765                      1770


Cys  Cys   Ala  Gly  Cys  Ala  Cys   Ala  Thr  Cys  Cys  Thr   Cys  Ala  Thr
     1775                      1780                      1785


Cys  Ala   Gly  Cys  Ala  Thr  Cys   Ala  Ala  Gly  Thr  Cys   Cys  Thr  Cys
     1790                      1795                      1800


Thr  Gly   Ala  Cys  Ala  Gly  Cys   Gly  Ala  Cys  Gly  Ala   Ala  Thr  Cys
     1805                      1810                      1815


Cys  Thr   Ala  Thr  Gly  Gly  Cys   Gly  Ala  Gly  Gly  Gly   Cys  Thr  Gly
     1820                      1825                      1830


Cys  Ala   Thr  Thr  Gly  Cys  Cys   Cys  Thr  Thr  Cys  Gly   Gly  Thr  Thr
     1835                      1840                      1845


Ala  Gly   Ala  Gly  Gly  Cys  Cys   Ala  Cys  Ala  Gly  Ala   Ala  Ala  Cys
     1850                      1855                      1860
```

Gly Cys Ala Gly Cys Thr Gly Cys Cys Cys Ala Thr Cys Thr Ala
    1865   1870   1875

Cys Ala Cys Gly Cys Cys Thr Cys Thr Cys Ala Cys Cys Cys Ala
    1880   1885   1890

Cys Cys Ala Thr Gly Gly Gly Gly Ala Gly Thr Thr Gly Ala Cys
    1895   1900   1905

Ala Gly Gly Cys Cys Ala Cys Thr Thr Cys Cys Ala Gly Gly Gly
    1910   1915   1920

Gly Gly Ala Gly Ala Thr Cys Ala Ala Gly Cys Thr Gly Cys Ala
    1925   1930   1935

Gly Ala Cys Cys Thr Cys Thr Cys Ala Gly Gly Gly Cys Ala Ala
    1940   1945   1950

Gly Ala Cys Gly Ala Gly Gly Gly Ala Gly Ala Ala Gly Cys Thr
    1955   1960   1965

Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Thr Gly Ala Ala
    1970   1975   1980

Gly Ala Cys Gly Gly Ala Gly Cys Gly Thr Gly Ala Thr Gly Ala
    1985   1990   1995

Ala Thr Cys Cys Ala Gly Thr Gly Gly Gly Cys Cys Ala Ala Ala
    2000   2005   2010

Gly Ala Cys Cys Cys Thr Gly Ala Ala Gly Ala Gly Cys Cys Thr
    2015   2020   2025

Cys Ala Cys Cys Ala Gly Cys Cys Ala Cys Gly Ala Cys Cys Cys
    2030   2035   2040

Cys Ala Thr Gly Ala Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala
    2045   2050   2055

Ala Gly Thr Cys Ala Cys Thr Ala Gly Cys Ala Gly Gly Gly Cys
    2060   2065   2070

Cys Cys Cys Thr Cys Cys Gly Thr Gly Cys Ala Gly Thr Gly Gly
     2075   2080   2085

Cys Thr Cys Cys Ala Gly Cys Ala Thr Cys Ala Cys Thr Gly Ala
     2090   2095   2100

Ala Ala Thr Cys Ala Thr Cys Ala Ala Cys Cys Cys Cys Ala Ala
     2105   2110   2115

Cys Thr Ala Cys Ala Thr Gly Gly Gly Ala Gly Thr Gly Gly Gly
     2120   2125   2130

Gly Cys Cys Cys Thr Thr Thr Gly Gly Gly Cys Cys Ala Cys Cys
     2135   2140   2145

Ala Ala Thr Gly Cys Cys Cys Cys Thr Gly Cys Ala Cys Gly Thr
     2150   2155   2160

Gly Ala Ala Gly Cys Ala Gly Ala Cys Cys Thr Thr Gly Thr Cys
     2165   2170   2175

Cys Cys Cys Thr Gly Ala Cys Cys Ala Gly Cys Ala Gly Cys Cys
     2180   2185   2190

Cys Ala Cys Ala Gly Cys Cys Thr Gly Gly Ala Gly Cys Thr Ala
     2195   2200   2205

Cys Gly Ala Cys Cys Ala Gly Cys Cys Gly Cys Cys Cys Ala Ala
     2210   2215   2220

Gly Gly Ala Cys Thr Cys Cys Cys Cys Gly Cys Thr Gly Gly Gly
     2225   2230   2235

Gly Cys Cys Cys Thr Gly Cys Ala Gly Gly Gly Gly Ala Gly Ala
     2240   2245   2250

Ala Ala Gly Thr Cys Cys Thr Cys Cys Gly Ala Cys Ala Cys Cys
     2255   2260   2265

Thr Cys Cys Cys Gly Gly Cys Cys Ala Gly Cys Cys Gly Cys Cys

```
            2270                    2275                        2280

Cys Ala  Thr Ala Thr Cys Ala  Cys Cys Cys Ala Ala  Gly Ala Ala
         2285                  2290                  2295

Gly Thr  Thr Thr Thr Thr Ala  Cys Cys Cys Thr Cys  Ala Ala Cys
         2300                  2305                  2310

Ala Gly  Cys Ala Ala Ala Cys  Cys Gly Gly Gly Gly  Thr Cys Thr
         2315                  2320                  2325

Cys Cys  Cys Thr Cys Cys Cys  Ala Gly Gly Ala Cys  Ala Cys Ala
         2330                  2335                  2340

Gly Gly  Ala Gly Thr Cys Ala  Ala Gly Gly Cys Cys  Cys Ala Gly
         2345                  2350                  2355

Thr Gly  Ala Cys Cys Thr Gly  Gly Gly Gly Ala Ala  Gly Ala Ala
         2360                  2365                  2370

Cys Gly  Cys Ala Gly Gly Gly  Gly Ala Cys Ala Cys  Gly Cys Thr
         2375                  2380                  2385

Gly Cys  Cys Thr Cys Ala Gly  Gly Ala Gly Gly Ala  Cys Cys Thr
         2390                  2395                  2400

Gly Cys  Cys Gly Cys Thr Gly  Ala Cys Gly Ala Ala  Gly Cys Cys
         2405                  2410                  2415

Cys Gly  Ala Gly Ala Thr Gly  Thr Thr Thr Gly Ala  Gly Ala Ala
         2420                  2425                  2430

Cys Cys  Cys Cys Cys Thr Gly  Thr Ala Thr Gly Gly  Gly Thr Cys
         2435                  2440                  2445

Cys Cys  Thr Gly Ala Gly Thr  Thr Cys Cys Thr Thr  Cys Cys Cys
         2450                  2455                  2460

Thr Ala  Ala Gly Cys Cys Thr  Gly Cys Thr Cys Cys  Cys Ala Gly
         2465                  2470                  2475
```

Gly Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly Ala Ala Thr Cys
    2480   2485   2490

Cys Cys Cys Cys Ala Ala Ala Ala Thr Gly Cys Cys Gly Cys Gly
    2495   2500   2505

Gly Ala Ala Gly Gly Ala Ala Cys Cys Cys Cys Cys Gly Cys Cys
    2510   2515   2520

Cys Thr Gly Cys Cys Cys Gly Gly Ala Ala Cys Cys Cys Gly Gly
    2525   2530   2535

Cys Ala Thr Cys Thr Thr Gly Thr Cys Gly Cys Cys Cys Ala Gly
    2540   2545   2550

Cys Ala Thr Cys Gly Thr Gly Cys Thr Cys Ala Cys Cys Ala Ala
    2555   2560   2565

Ala Gly Cys Cys Cys Ala Gly Gly Ala Gly Gly Cys Thr Gly Ala
    2570   2575   2580

Thr Cys Gly Cys Gly Gly Cys Gly Ala Gly Gly Gly Gly Cys Cys
    2585   2590   2595

Cys Gly Gly Cys Ala Ala Gly Cys Ala Gly Gly Thr Gly Cys Cys
    2600   2605   2610

Cys Gly Cys Gly Cys Cys Cys Cys Gly Gly Cys Thr Gly Cys Gly
    2615   2620   2625

Cys Thr Cys Cys Thr Thr Cys Ala Cys Gly Thr Gly Cys Thr Cys
    2630   2635   2640

Ala Thr Cys Cys Thr Cys Thr Gly Cys Cys Gly Ala Gly Gly Gly
    2645   2650   2655

Cys Ala Gly Gly Gly Cys Gly Gly Cys Cys Gly Gly Cys Gly Gly
    2660   2665   2670

Gly Gly Ala Cys Ala Ala Gly Ala Gly Cys Cys Ala Ala Gly Gly
    2675   2680   2685

Gly Ala Ala Gly Cys Cys Cys Ala Ala Gly Ala Cys Cys Cys Cys
    2690   2695   2700

Gly Gly Thr Cys Ala Gly Cys Thr Cys Cys Cys Ala Gly Gly Cys
    2705   2710   2715

Cys Cys Cys Gly Gly Thr Gly Cys Cys Gly Gly Cys Cys Ala Ala
    2720   2725   2730

Gly Ala Gly Gly Cys Cys Cys Ala Thr Cys Ala Ala Gly Cys Cys
    2735   2740   2745

Thr Thr Cys Cys Ala Gly Ala Thr Cys Gly Gly Ala Ala Ala Thr
    2750   2755   2760

Cys Ala Ala Cys Cys Ala Gly Cys Ala Gly Ala Cys Cys Cys Cys
    2765   2770   2775

Gly Cys Cys Cys Ala Cys Cys Cys Cys Gly Ala Cys Gly Cys Cys
    2780   2785   2790

Gly Cys Gly Gly Cys Cys Gly Cys Cys Gly Cys Thr Gly Cys Cys
    2795   2800   2805

Ala Gly Thr Cys Ala Ala Gly Ala Gly Cys Cys Cys Gly Gly Cys
    2810   2815   2820

Gly Gly Thr Gly Cys Thr Gly Cys Ala Cys Cys Thr Cys Cys Ala
    2825   2830   2835

Gly Cys Ala Cys Thr Cys Cys Ala Ala Gly Gly Gly Cys Cys Gly
    2840   2845   2850

Cys Gly Ala Cys Thr Ala Cys Cys Gly Cys Gly Ala Cys Ala Ala
    2855   2860   2865

Cys Ala Cys Cys Gly Ala Gly Cys Thr Cys Cys Cys Gly Cys Ala
    2870   2875   2880

Thr Cys Ala Cys Gly Gly Cys Ala Ala Gly Cys Ala Cys Cys Gly
    2885   2890   2895

Gly Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Gly Gly Cys Cys
    2900   2905   2910

Ala Cys Cys Ala Gly Gly Gly Cys Cys Thr Cys Thr Ala Gly Gly
    2915   2920   2925

Cys Ala Gly Gly Ala Cys Thr Gly Cys Cys Ala Thr Gly Cys Ala
    2930   2935   2940

Gly Thr Gly Ala Ala Gly Cys Cys Cys Thr Cys Ala Gly Thr Gly
    2945   2950   2955

Ala Gly Cys Thr Gly Cys Cys Ala Cys Thr Gly Ala Gly Thr Cys
    2960   2965   2970

Gly Gly Gly Ala Gly Cys Cys Cys Ala Gly Ala Gly Gly Ala Ala
    2975   2980   2985

Cys Gly Gly Cys Gly Thr Gly Ala Ala Gly Cys Cys Ala Cys Thr
    2990   2995   3000

Gly Gly Ala Cys Cys Cys Thr Cys Thr Cys Cys Cys Gly Gly Gly
    3005   3010   3015

Ala Cys Cys Thr Cys Cys Thr Gly Cys Thr Gly Gly Cys Thr Cys
    3020   3025   3030

Cys Thr Cys Cys Thr Gly Cys Cys Cys Ala Gly Cys Thr Thr Cys
    3035   3040   3045

Cys Thr Ala Thr Gly Cys Ala Ala Gly Gly Cys Thr Thr Thr Gly
    3050   3055   3060

Thr Gly Thr Thr Thr Thr Cys Ala Gly Gly Ala Ala Ala Gly Gly
    3065   3070   3075

Gly Cys Cys Thr Ala Gly Cys Thr Thr Cys Thr Gly Thr Gly Thr
    3080   3085   3090

Gly Gly Cys Cys Cys Ala Cys Ala Gly Ala Gly Thr Thr Cys Ala

```
      3095                      3100                      3105


Cys Thr Gly Cys Cys Thr Gly  Thr Gly Ala Gly Ala  Cys Thr Thr
      3110                3115                3120


Ala Gly Cys Ala Cys Cys Ala  Ala Gly Thr Gly Cys  Thr Gly Ala
      3125                3130                3135


Gly Gly Cys Thr Gly Gly Ala  Ala Gly Ala Ala Ala  Ala Ala Cys
      3140                3145                3150


Gly Cys Ala Cys Ala Cys Cys  Ala Gly Ala Cys Gly  Gly Gly Cys
      3155                3160                3165


Ala Ala Cys Ala Ala Ala Cys  Ala Gly Thr Cys Thr  Gly Gly Gly
      3170                3175                3180


Thr Cys Cys Cys Cys Ala Gly  Cys Thr Cys Gly Cys  Thr Cys Thr
      3185                3190                3195


Thr Gly Gly Thr Ala Cys Thr  Thr Gly Gly Gly Ala  Cys Cys Cys
      3200                3205                3210


Cys Ala Gly Thr Gly Cys Cys  Thr Cys Gly Thr Thr  Gly Ala Gly
      3215                3220                3225


Gly Gly Cys Gly Cys Cys Ala  Thr Thr Cys Thr Gly  Ala Ala Gly
      3230                3235                3240


Ala Ala Ala Gly Gly Ala Ala  Cys Thr Gly Cys Ala  Gly Cys Gly
      3245                3250                3255


Cys Cys Gly Ala Thr Thr Thr  Gly Ala Gly Gly Gly  Thr Gly Gly
      3260                3265                3270


Ala Gly Ala Thr Ala Thr Ala  Gly Ala Thr Ala Ala  Thr Ala Ala
      3275                3280                3285


Thr Ala Ala Thr Ala Thr Thr  Ala Ala Thr Ala Ala  Thr Ala Ala
      3290                3295                3300
```

Thr Ala Ala Thr Gly Gly Cys Cys Ala Cys Ala Thr Gly Gly Ala
    3305   3310   3315

Thr Cys Gly Ala Ala Cys Ala Cys Thr Cys Ala Thr Gly Ala Thr
    3320   3325   3330

Gly Thr Gly Cys Cys Ala Ala Ala Thr Gly Cys Thr Gly Thr Gly
    3335   3340   3345

Cys Thr Ala Ala Gly Thr Gly Cys Thr Thr Thr Ala Cys Gly Ala
    3350   3355   3360

Ala Cys Ala Thr Thr Cys Gly Thr Cys Ala Thr Ala Thr Cys Ala
    3365   3370   3375

Gly Gly Ala Thr Gly Ala Cys Cys Thr Cys Gly Ala Gly Ala Gly
    3380   3385   3390

Cys Thr Gly Ala Gly Gly Cys Thr Cys Thr Ala Gly Cys Ala Cys
    3395   3400   3405

Cys Thr Ala Ala Ala Ala Cys Cys Ala Cys Gly Thr Gly Cys Cys
    3410   3415   3420

Cys Ala Ala Ala Cys Cys Cys Ala Cys Cys Ala Gly Thr Thr Thr
    3425   3430   3435

Ala Ala Ala Ala Cys Gly Gly Thr Gly Thr Gly Thr Gly Thr Thr
    3440   3445   3450

Cys Gly Gly Ala Gly Gly Gly Gly Thr Gly Ala Ala Ala Gly Cys
    3455   3460   3465

Ala Thr Thr Ala Ala Gly Ala Ala Gly Cys Cys Cys Ala Gly Thr
    3470   3475   3480

Gly Cys Cys Cys Thr Cys Cys Thr Gly Gly Ala Gly Thr Gly Ala
    3485   3490   3495

Gly Ala Cys Ala Ala Gly Gly Gly Cys Thr Cys Gly Gly Cys Cys
    3500   3505   3510

```
Thr Thr  Ala Ala Gly Gly Ala  Gly Cys Thr Gly Ala  Ala Gly Ala
    3515                3520                3525

Gly Thr  Cys Thr Gly Gly Gly  Thr Ala Gly Cys Thr  Thr Gly Thr
    3530                3535                3540

Thr Thr  Ala Gly Gly Gly Thr  Ala Cys Ala Ala Gly  Ala Ala Gly
    3545                3550                3555

Cys Cys  Thr Gly Thr Thr Cys  Thr Gly Thr Cys Cys  Ala Gly Cys
    3560                3565                3570

Thr Thr  Cys Ala Gly Thr Gly  Ala Cys Ala Cys Ala  Ala Gly Cys
    3575                3580                3585

Thr Gly  Cys Thr Thr Thr Ala  Gly Cys Thr Ala Ala  Ala Gly Thr
    3590                3595                3600

Cys Cys  Cys Gly Cys Gly Gly  Gly Thr Thr Cys Cys  Gly Gly Cys
    3605                3610                3615

Ala Thr  Gly Gly Cys Thr Ala  Gly Gly Cys Thr Gly  Ala Gly Ala
    3620                3625                3630

Gly Cys  Ala Gly Gly Gly Ala  Thr Cys Thr Ala Cys  Cys Thr Gly
    3635                3640                3645

Gly Cys  Thr Thr Cys Thr Cys  Ala Gly Thr Thr Cys  Thr Thr Thr
    3650                3655                3660

Gly Gly  Thr Thr Gly Gly Ala  Ala Gly Gly Ala Gly  Cys Ala Gly
    3665                3670                3675

Gly Ala  Ala Ala Thr Cys Ala  Gly Cys Thr Cys Cys  Thr Ala Thr
    3680                3685                3690

Thr Cys  Thr Cys Cys Ala Gly  Thr Gly Gly Ala Gly  Ala Gly Ala
    3695                3700                3705

Thr Cys  Thr Gly Gly Cys Cys  Thr Cys Ala Gly Cys  Thr Thr Gly
    3710                3715                3720
```

```
Gly Gly  Cys Thr Ala Gly Ala  Gly Ala Thr Gly Cys  Cys Ala Ala
    3725                3730                3735

Gly Gly  Cys Cys Thr Gly Thr  Gly Cys Cys Ala Gly  Gly Thr Thr
    3740                3745                3750

Cys Cys  Cys Thr Gly Thr Gly  Cys Cys Cys Thr Cys  Cys Thr Cys
    3755                3760                3765

Gly Ala  Gly Gly Thr Gly Gly  Gly Cys Ala Gly Cys  Cys Ala Thr
    3770                3775                3780

Cys Ala  Cys Cys Ala Gly Cys  Cys Ala Cys Ala Gly  Thr Thr Ala
    3785                3790                3795

Ala Gly  Cys Cys Ala Ala Gly  Cys Cys Cys Cys Cys  Cys Ala Ala
    3800                3805                3810

Cys Ala  Thr Gly Thr Ala Thr  Thr Cys Cys Ala Thr  Cys Gly Thr
    3815                3820                3825

Gly Cys  Thr Gly Gly Thr Ala  Gly Ala Ala Gly Ala  Gly Thr Cys
    3830                3835                3840

Thr Thr  Thr Gly Cys Thr Gly  Thr Thr Gly Cys Thr  Cys Cys Cys
    3845                3850                3855

Gly Ala  Ala Ala Gly Cys Cys  Gly Thr Gly Cys Thr  Cys Thr Cys
    3860                3865                3870

Cys Ala  Gly Cys Cys Thr Gly  Gly Cys Thr Gly Cys  Cys Ala Gly
    3875                3880                3885

Gly Gly  Ala Gly Gly Gly Thr  Gly Gly Gly Cys Cys  Thr Cys Thr
    3890                3895                3900

Thr Gly  Gly Thr Thr Cys Cys  Ala Gly Gly Cys Thr  Cys Thr Thr
    3905                3910                3915

Gly Ala  Ala Ala Thr Ala Gly  Thr Gly Cys Ala Gly  Cys Cys Thr
```

            3920   3925   3930

Thr Thr Thr Cys Thr Thr Cys Cys Thr Ala Thr Cys Thr Cys Thr
    3935   3940   3945

Gly Thr Gly Gly Cys Thr Thr Thr Cys Ala Gly Cys Thr Cys Thr
    3950   3955   3960

Gly Cys Thr Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Thr Thr
    3965   3970   3975

Ala Gly Gly Ala Gly Ala Ala Thr Ala Gly Ala Thr Gly Gly Gly
    3980   3985   3990

Thr Gly Ala Thr Gly Thr Cys Thr Thr Thr Cys Cys Thr Thr Ala
    3995   4000   4005

Thr Gly Thr Thr Gly Cys Thr Thr Thr Thr Thr Cys Ala Ala Cys
    4010   4015   4020

Ala Thr Ala Gly Cys Ala Gly Ala Ala Thr Thr Ala Ala Thr Gly
    4025   4030   4035

Thr Ala Gly Gly Gly Ala Gly Cys Thr Ala Ala Ala Thr Cys Cys
    4040   4045   4050

Ala Gly Thr Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Ala Ala
    4055   4060   4065

Thr Gly Cys Ala Gly Ala Ala Gly Gly Gly Ala Ala Thr Gly Cys
    4070   4075   4080

Ala Cys Cys Cys Cys Ala Cys Ala Thr Thr Cys Cys Cys Ala Thr
    4085   4090   4095

Gly Ala Thr Gly Gly Ala Ala Gly Thr Cys Thr Gly Cys Gly Thr
    4100   4105   4110

Ala Ala Cys Cys Ala Ala Thr Ala Ala Ala Thr Thr Gly Thr Gly
    4115   4120   4125

Cys Cys Thr Thr Thr Cys Thr Cys Ala Cys Thr Cys Ala Ala Ala
     4130   4135   4140

Ala Cys Cys Cys
     4145

<210> 4
<211> 457
<212> PRT
<213> Mus musculus

<400> 4

Ala Ala Gly Cys Thr Gly Ala Thr Gly Thr Cys Ala Cys Thr Gly Cys
1   5   10   15

Thr Cys Thr Gly Cys Ala Ala Gly Gly Ala Gly Cys Thr Cys Cys Ala
           20   25   30

Thr Gly Gly Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys
       35   40   45

Cys Thr Gly Ala Gly Ala Gly Ala Gly Gly Gly Gly Thr Gly Gly Gly
     50   55   60

Gly Gly Ala Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala
65   70   75   80

Thr Gly Gly Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala
             85   90   95

Cys Cys Cys Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala
         100   105   110

Cys Ala Gly Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys
     115   120   125

Thr Cys Ala Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr
     130   135   140

Gly Gly Gly Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys
145   150   155   160

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Cys Ala Gly Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys
            165             170             175

Ala Cys Thr Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys
            180             185             190

Cys Cys Ala Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala
            195             200             205

Ala Thr Gly Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr
    210             215             220

Gly Gly Ala Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys
225             230             235             240

Ala Thr Ala Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr
            245             250             255

Ala Ala Cys Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly
            260             265             270

Thr Thr Gly Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr
            275             280             285

Thr Cys Cys Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly
    290             295             300

Gly Gly Gly Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala
305             310             315             320

Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala
            325             330             335

Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr
            340             345             350

Ala Gly Gly Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys
            355             360             365

Thr Ala Ala Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala
    370             375             380
```

```
Thr Thr Cys Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Thr Cys Thr
385             390             395             400


Thr Gly Thr Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys
            405             410             415


Ala Ala Ala Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala
            420             425             430


Gly Thr Thr Thr Cys Thr Cys Thr Gly Thr Thr Thr Ala Cys Cys Ala
        435             440             445


Gly Cys Cys Cys Gly Gly Gly Cys Cys
        450             455
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<210> 5
<211> 938
<212> PRT
<213> Mus musculus

<400> 5

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Ala Ala Ala Thr Cys Ala Cys Cys Ala Cys Ala Cys Gly Gly Cys Cys
1               5               10              15


Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Cys Cys Ala Ala Cys
            20              25              30


Thr Cys Cys Thr Cys Cys Cys Ala Ala Ala Thr Cys Cys Cys Cys Thr
        35              40              45


Cys Thr Ala Cys Cys Cys Ala Cys Thr Cys Ala Ala Ala Thr Thr Cys
    50              55              60


Thr Thr Ala Thr Cys Thr Thr Gly Thr Ala Thr Thr Cys Thr Thr Thr
65              70              75              80


Ala Thr Cys Ala Thr Thr Ala Thr Thr Ala Thr Ala Cys Ala Thr Ala
            85              90              95


Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Gly Thr Gly Thr Gly
            100             105             110
```

Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
        115   120   125

Thr Ala Cys Thr Ala Thr Ala Thr Ala Cys Thr Gly Cys Thr Ala Ala
    130   135   140

Thr Gly Ala Gly Thr Ala Ala Cys Ala Thr Thr Ala Gly Thr Gly
145   150   155   160

Thr Thr Ala Thr Thr Cys Ala Thr Thr Gly Asn Thr Gly Cys Asn Thr
                165   170   175

Gly Thr Thr Thr Asn Cys Ala Ala Thr Gly Asn Gly Cys Thr Thr Thr
            180   185   190

Cys Cys Ala Gly Gly Asn Gly Gly Cys Thr Gly Gly Gly Gly Gly Gly
        195   200   205

Ala Asn Gly Gly Cys Thr Cys Ala Gly Asn Gly Gly Gly Cys Ala Ala
    210   215   220

Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala Ala
225   230   235   240

Gly Cys Cys Thr Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly Gly Thr
            245   250   255

Thr Cys Ala Gly Ala Thr Cys Cys Cys Ala Ala Thr Ala Thr Ala
        260   265   270

Ala Ala Gly Gly Cys Thr Gly Gly Cys Thr Gly Gly Ala Cys Ala Thr
        275   280   285

Gly Gly Gly Gly Gly Cys Thr Thr Gly Cys Cys Thr Ala Thr Gly Ala
    290   295   300

Thr Ala Cys Thr Ala Gly Cys Ala Thr Gly Cys Thr Thr Gly Cys Thr
305   310   315   320

Gly Gly Ala Ala Gly Cys Ala Ala Ala Gly Ala Cys Ala Gly Gly Gly
            325   330   335

Ala Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Ala Cys Thr Thr Ala
            340   345   350

Asn Ala Ala Thr Cys Thr Cys Ala Asn Ala Ala Gly Thr Gly Ala Thr
            355   360   365

Cys Thr Gly Gly Gly Cys Thr Gly Gly Ala Cys Ala Gly Ala Cys Thr
    370   375   380

Ala Gly Cys Thr Gly Ala Ala Cys Thr Gly Gly Cys Cys Ala Gly Cys
385   390   395   400

Thr Cys Thr Gly Gly Gly Thr Thr Cys Ala Thr Asn Ala Ala Asn Ala
                405   410   415

Ala Ala Cys Cys Cys Thr Asn Cys Cys Thr Cys Cys Ala Thr Ala Ala
            420   425   430

Cys Ala Thr Ala Ala Ala Gly Thr Gly Thr Gly Ala Asn Gly Gly Ala
    435   440   445

Asn Ala Ala Ala Gly Gly Cys Ala Cys Cys Thr Ala Ala Thr Gly Thr
    450   455   460

Cys Ala Ala Cys Cys Thr Cys Ala Ala Ala Cys Cys Cys Cys Thr Ala
465   470   475   480

Cys Cys Thr Gly Cys Ala Thr Gly Thr Gly Cys Ala Cys Ala Cys Ala
                485   490   495

Cys Ala Thr Ala Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Ala Cys
            500   505   510

Ala Cys Ala Cys Ala Cys Ala Cys Gly Cys Ala Cys Ala Cys Ala Cys
            515   520   525

Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Cys Ala Cys Ala Cys Ala
            530   535   540

Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Ala Ala Thr Ala

545   550   555   560

Ala Ala Thr Ala Ala Gly Thr Ala Ala Ala Thr Ala Ala Ala Thr Ala
         565   570   575

Ala Ala Ala Thr Ala Thr Thr Thr Ala Gly Cys Thr Cys Thr Cys Cys
         580   585   590

Ala Gly Ala Cys Cys Ala Ala Ala Thr Cys Thr Thr Gly Gly Thr Gly
         595   600   605

Ala Ala Ala Cys Cys Cys Ala Thr Gly Cys Ala Thr Thr Thr Gly Cys
610   615   620

Ala Thr Thr Thr Gly Thr Gly Thr Gly Thr Gly Thr Cys Cys Thr Ala
625   630   635   640

Cys Ala Ala Ala Cys Ala Cys Thr Gly Ala Ala Gly Gly Thr Thr Ala
         645   650   655

Ala Gly Ala Ala Gly Cys Ala Thr Gly Cys Thr Cys Cys Thr Thr Ala
         660   665   670

Gly Thr Ala Ala Thr Thr Thr Thr Ala Thr Ala Gly Cys Ala Gly Thr
         675   680   685

Thr Thr Gly Cys Gly Thr Thr Thr Cys Cys Ala Gly Ala Thr Thr Gly
         690   695   700

Ala Ala Ala Ala Cys Ala Gly Ala Thr Thr Cys Thr Ala Thr Ala Gly
705   710   715   720

Gly Cys Thr Ala Cys Ala Cys Ala Gly Thr Gly Cys Thr Ala Ala Ala
         725   730   735

Thr Gly Gly Ala Thr Thr Ala Thr Gly Cys Thr Cys Ala Gly Ala Thr
         740   745   750

Ala Cys Ala Gly Ala Thr Thr Gly Ala Ala Ala Ala Gly Gly Ala Thr
         755   760   765

Ala Cys Ala Gly Ala Thr Thr Gly Ala Ala Ala Ala Gly Gly Gly Thr
    770   775   780

Cys Gly Gly Gly Gly Thr Cys Thr Gly Gly Gly Cys Cys Ala Gly Gly
785   790   795   800

Ala Thr Gly Ala Cys Gly Gly Gly Cys Cys Ala Ala Cys Thr Ala Thr
            805   810   815

Cys Thr Thr Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr
            820   825   830

Cys Cys Thr Thr Cys Ala Gly Gly Gly Ala Ala Gly Gly Gly Thr Thr
            835   840   845

Ala Cys Ala Gly Gly Ala Thr Thr Cys Ala Cys Cys Ala Cys Thr Gly
    850   855   860

Gly Gly Gly Thr Gly Thr Gly Gly Cys Cys Thr Ala Thr Cys Thr Gly
865   870   875   880

Cys Thr Gly Thr Thr Ala Gly Gly Ala Cys Cys Thr Gly Ala Ala Thr
            885   890   895

Thr Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Thr Thr Thr Cys Thr
            900   905   910

Ala Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr
            915   920   925

Thr Gly Ala Ala Cys Thr Thr Thr Ala Cys
    930   935

<210>   6
<211>   986
<212>   PRT
<213>   Mus musculus

<400>   6

Gly Cys Ala Asn Thr Cys Thr Gly Ala Gly Gly Ala Cys Thr Cys Thr
1   5   10   15

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Gly Cys Cys Ala Thr Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys
            20                  25                  30

Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala
            35                  40                  45

Cys Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala
            50                  55                  60

Gly Gly Cys Cys Thr Thr Cys Gly Cys Cys Ala Cys Gly Ala Cys
65                  70                  75                  80

Cys Thr Cys Ala Gly Gly Thr Ala Ala Gly Gly Gly Gly Thr Thr Thr
                85                  90                  95

Gly Gly Ala Thr Thr Thr Gly Gly Ala Ala Ala Gly Ala Thr Gly Cys
            100                 105                 110

Ala Ala Thr Thr Gly Cys Thr Ala Thr Ala Gly Gly Ala Gly Gly Gly
            115                 120                 125

Ala Cys Thr Cys Thr Gly Ala Ala Gly Gly Cys Ala Gly Ala Cys Ala
    130                 135                 140

Gly Ala Cys Gly Cys Ala Cys Cys Gly Cys Cys Thr Cys Cys Thr Cys
145                 150                 155                 160

Ala Cys Gly Thr Thr Gly Gly Cys Thr Ala Gly Thr Cys Thr Ala Ala
                165                 170                 175

Thr Ala Thr Ala Ala Ala Cys Ala Thr Cys Gly Cys Gly Gly Thr Gly
            180                 185                 190

Gly Ala Thr Gly Gly Thr Gly Ala Gly Gly Ala Thr Ala Gly Ala Cys
            195                 200                 205

Thr Cys Cys Ala Thr Gly Cys Cys Cys Thr Thr Thr Thr Gly Thr Gly
    210                 215                 220

Ala Ala Gly Gly Cys Ala Thr Thr Thr Cys Cys Thr Gly Gly Cys Ala
225                 230                 235                 240
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```
Thr Cys Ala Gly Cys Thr Cys Cys Thr Gly Ala Cys Thr Thr Cys Ala
            245                 250                 255


Gly Ala Gly Thr Thr Thr Cys Ala Cys Cys Cys Ala Thr Cys Ala Gly
            260                 265                 270


Ala Cys Ala Ala Ala Thr Thr Gly Cys Cys Thr Gly Gly Thr Gly Thr
            275                 280                 285


Thr Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Thr Gly Ala Gly
            290                 295                 300


Cys Ala Gly Gly Gly Cys Cys Ala Thr Thr Cys Cys Cys Ala Thr Cys
305                   310                 315                 320


Ala Thr Thr Thr Cys Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Thr
            325                   330                 335


Gly Gly Ala Ala Ala Gly Gly Cys Ala Ala Gly Gly Ala Ala Ala Ala
            340                 345                 350


Cys Ala Thr Gly Ala Gly Gly Thr Thr Cys Thr Thr Cys Ala Gly Ala
            355                 360                 365


Cys Ala Cys Thr Thr Ala Ala Thr Cys Cys Cys Thr Gly Gly Gly Ala
            370                 375                 380


Cys Thr Gly Cys Ala Ala Ala Ala Thr Gly Gly Thr Gly Gly Thr Gly
385                   390                 395                 400


Cys Cys Cys Cys Thr Cys Cys Thr Cys Cys Ala Cys Ala Gly Cys Thr
            405                 410                 415


Gly Cys Thr Cys Ala Cys Gly Gly Cys Gly Gly Gly Cys Ala Gly
            420                 425                 430


Gly Ala Gly Ala Thr Gly Ala Gly Gly Gly Cys Cys Gly Ala Ala Thr
            435                 440                 445


Gly Ala Ala Gly Cys Ala Thr Ala Asn Ala Thr Cys Thr Ala Gly Cys
450                   455                 460
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Thr Ala Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Ala Gly Asn Gly
465   470   475   480

Cys Cys Thr Thr Cys Ala Asn Thr Ala Ala Ala Thr Thr Thr Ala Ala
                485   490   495

Ala Ala Thr Cys Ala Ala Ala Thr Ala Ala Gly Gly Gly Ala Ala Gly
            500   505   510

Gly Gly Asn Cys Cys Thr Ala Ala Ala Thr Cys Thr Thr Thr Ala Thr
            515   520   525

Asn Thr Thr Asn Thr Gly Gly Cys Thr Thr Thr Asn Thr Ala Ala Ala
    530   535   540

Ala Gly Thr Asn Ala Ala Ala Asn Cys Thr Thr Asn Thr Cys Cys Cys
545   550   555   560

Ala Gly Gly Gly Asn Gly Cys Gly Gly Thr Gly Gly Cys Cys Cys Ala
            565   570   575

Cys Cys Cys Cys Thr Thr Thr Asn Ala Thr Cys Asn Ala Cys Ala Cys
            580   585   590

Thr Thr Gly Gly Gly Ala Gly Gly Cys Ala Ala Ala Gly Gly Cys Ala
        595   600   605

Asn Cys Cys Gly Ala Thr Thr Cys Thr Gly Ala Asn Thr Thr Gly Ala
    610   615   620

Asn Gly Cys Cys Asn Gly Cys Cys Thr Gly Gly Thr Cys Thr Asn Asn
625   630   635   640

Asn Gly Asn Gly Gly Ala Gly Thr Thr Cys Cys Ala Asn Gly Ala Cys
            645   650   655

Ala Asn Cys Cys Ala Gly Gly Cys Thr Thr Cys Cys Cys Ala Asn Gly
            660   665   670

Thr Thr Thr Thr Thr Thr Thr Thr Thr Cys Ala Cys Ala Ala Ala Ala

            675   680   685

Cys Cys Cys Thr Thr Thr Thr Thr Thr Ala Ala Ala Ala Cys Cys Cys
    690   695   700

Thr Asn Thr Cys Thr Ala Ala Thr Cys Cys Asn Thr Ala Cys Thr Cys
705   710   715   720

Asn Thr Thr Asn Asn Asn Cys Cys Asn Thr Cys Ala Asn Thr Ala Cys
            725   730   735

Cys Ala Thr Asn Asn Cys Ala Asn Asn Thr Cys Cys Cys Thr Cys Thr
        740   745   750

Thr Thr Cys Asn Cys Cys Thr Asn Cys Asn Asn Thr Cys Thr Ala Cys
    755   760   765

Thr Thr Thr Thr Asn Thr Asn Cys Cys Asn Cys Thr Asn Asn Thr Gly
    770   775   780

Asn Asn Cys Asn Ala Thr Thr Ala Thr Thr Thr Thr Cys Cys Thr Cys
785   790   795   800

Thr Thr Cys Asn Cys Thr Thr Asn Thr Gly Thr Thr Ala Thr Ala Thr
            805   810   815

Asn Ala Asn Ala Thr Ala Ala Thr Thr Cys Thr Cys Cys Cys Ala Ala
            820   825   830

Cys Cys Cys Cys Thr Cys Ala Cys Cys Cys Cys Thr Cys Thr Thr Thr
    835   840   845

Ala Thr Thr Cys Thr Asn Ala Asn Asn Asn Asn Asn Ala Thr Thr Thr
    850   855   860

Thr Gly Asn Cys Ala Thr Cys Thr Gly Cys Cys Thr Cys Cys Asn Asn
865   870   875   880

Thr Thr Ala Asn Asn Asn Thr Thr Asn Asn Thr Cys Cys Thr Cys Asn
            885   890   895

```
Cys Thr Thr Cys Ala Asn Cys Thr Asn Cys Thr Thr Cys Cys Ala Thr
        900                 905             910


Thr Asn Gly Gly Thr Thr Gly Thr Asn Ala Cys Thr Cys Asn Ala Asn
        915                 920             925


Asn Thr Thr Thr Asn Cys Thr Asn Thr Cys Thr Cys Thr Thr Ala Asn
    930             935             940


Asn Asn Cys Thr Thr Cys Asn Cys Gly Asn Asn Asn Asn Thr Thr Cys
945             950             955                 960


Thr Cys Cys Ala Asn Thr Cys Cys Asn Cys Thr Asn Asn Cys Cys Thr
        965             970             975


Asn Cys Asn Cys Cys Ala Asn Cys Cys Cys
        980             985
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<210>  7
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<212>  PRT
<213>  Mus musculus

<400>  7
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Gly Gly Gly Ala Gly Asn Asn Asn Asn Ala Ala Thr Thr Ala Gly Asn
1               5               10              15


Asn Ala Ala Gly Ala Asn Ala Asn Asn Asn Thr Thr Thr Thr Asn Thr
            20              25              30


Thr Thr Thr Asn Ala Gly Gly Ala Cys Cys Gly Cys Asn Asn Thr Ala
        35              40              45


Thr Gly Thr Thr Thr Ala Thr Asn Ala Gly Ala Ala Gly Ala Asn Asn
    50              55              60


Gly Gly Asn Gly Ala Asn Asn Gly Ala Asn Asn Thr Asn Thr Ala Ala
65              70              75              80


Gly Gly Ala Asn Cys Ala Cys Cys Ala Asn Ala Gly Asn Cys Gly Asn
            85              90              95
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Cys Asn Asn Ala Ala Gly Gly Thr Thr Thr Thr Asn Ala Ala Thr Ala
            100   105   110

Asn Asn Gly Ala Gly Gly Asn Ala Gly Asn Cys Gly Ala Asn Ala Ala
            115   120   125

Ala Ala Ala Asn Ala Asn Thr Thr Thr Asn Cys Ala Thr Asn Thr Asn
    130   135   140

Thr Thr Thr Thr Gly Asn Cys Ala Cys Cys Asn Asn Gly Ala Asn Thr
145   150   155   160

Thr Thr Thr Gly Ala Ala Thr Ala Thr Asn Ala Asn Ala Thr Asn Ala
            165   170   175

Thr Gly Ala Ala Ala Ala Asn Asn Asn Asn Thr Gly Thr Gly Thr Asn
            180   185   190

Thr Gly Asn Asn Thr Gly Thr Gly Thr Gly Thr Asn Thr Gly Thr Asn
            195   200   205

Thr Gly Thr Gly Thr Gly Asn Asn Thr Gly Thr Cys Thr Gly Thr Cys
    210   215   220

Thr Ala Thr Asn Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Cys Asn
225   230   235   240

Ala Gly Asn Gly Ala Gly Thr Gly Ala Gly Thr Ala Gly Thr Gly Ala
            245   250   255

Gly Gly Ala Gly Ala Gly Ala Asn Ala Ala Gly Ala Ala Ala Gly Asn
            260   265   270

Ala Thr Ala Thr Gly Ala Gly Asn Ala Ala Ala Gly Asn Gly Cys Ala
            275   280   285

Gly Cys Thr Thr Gly Cys Asn Ala Ala Gly Ala Gly Gly Gly Ala Thr
    290   295   300

Cys Thr Cys Thr Cys Asn Thr Ala Cys Gly Gly Thr Gly Thr Gly Gly
305   310   315   320

Gly Thr Cys Asn Cys Ala Ala Ala Gly Thr Thr Thr Gly Ala Cys Thr
            325   330   335

Cys Cys Ala Gly Ala Thr Thr Gly Cys Cys Ala Thr Gly Cys Thr Thr
            340   345   350

Gly Gly Gly Gly Cys Ala Ala Ala Thr Thr Cys Cys Thr Thr Thr Thr
            355   360   365

Asn Cys Cys Ala Asn Ala Ala Ala Cys Cys Ala Thr Cys Thr Thr Gly
    370   375   380

Cys Gly Thr Gly Ala Cys Thr Thr Asn Thr Cys Thr Ala Asn Thr Gly
385   390   395   400

Cys Thr Cys Cys Thr Gly Gly Cys Thr Thr Thr Ala Gly Gly Gly Asn
            405   410   415

Gly Gly Cys Thr Thr Thr Thr Asn Thr Gly Thr Asn Thr Gly Thr Thr
            420   425   430

Thr Thr Asn Ala Thr Thr Thr Thr Thr Gly Thr Thr Thr Thr Cys Ala
        435   440   445

Thr Gly Ala Gly Ala Thr Ala Gly Gly Ala Cys Cys Cys Cys Cys Ala
    450   455   460

Ala Ala Thr Ala Gly Cys Cys Thr Cys Cys Thr Thr Gly Ala Gly Thr
465   470   475   480

Cys Ala Thr Ala Cys Cys Thr Ala Ala Ala Cys Cys Thr Thr Cys Cys
            485   490   495

Ala Cys Cys Ala Cys Ala Cys Cys Cys Ala Gly Cys Thr Thr Ala Gly
            500   505   510

Cys Thr Thr Thr Thr Cys Ala Thr Thr Thr Cys Thr Ala Ala Ala
            515   520   525

Cys Ala Thr Gly Thr Cys Thr Gly Cys Gly Thr Ala Gly Gly Ala Ala
    530   535   540

Thr Cys Gly Thr Cys Thr Thr Cys Cys Thr Ala Ala Thr Thr Ala Thr
545   550   555   560

Thr Ala Cys Cys Ala Gly Thr Cys Gly Ala Thr Gly Thr Thr Cys Ala
              565   570   575

Ala Thr Thr Ala Gly Cys Gly Gly Thr Thr Gly Thr Ala Ala Cys Ala
          580   585   590

Ala Gly Gly Cys Cys Cys Cys Ala Gly Ala Gly Thr Gly Thr Gly Ala
          595   600   605

Ala Thr Cys Thr Ala Thr Thr Gly Cys Thr Ala Ala Gly Ala Thr Thr
      610   615   620

Cys Thr Thr Thr Cys Cys Gly Gly Ala Ala Gly Thr Ala Gly Ala Thr
625   630   635   640

Gly Ala Cys Ala Cys Ala Thr Cys Ala Gly Ala Thr Thr Ala Ala Thr
          645   650   655

Ala Ala Gly Thr Gly Thr Thr Gly Thr Cys Ala Ala Ala Cys Thr Cys
          660   665   670

Ala Thr Cys Ala Gly Thr Gly Ala Ala Thr Gly Ala Ala Cys Cys Ala
      675   680   685

Thr Thr Thr Cys Cys Cys Ala Ala Cys Ala Gly Thr Thr Cys Ala Thr
      690   695   700

Cys Thr Gly Thr Thr Thr Cys Cys Thr Cys Cys Ala Cys Cys Ala Ala
705   710   715   720

Ala Thr Cys Thr Gly Thr Thr Gly Gly Thr Gly Gly Ala Gly Cys Ala
          725   730   735

Gly Cys Thr Gly Gly Gly Thr Thr Ala Cys Ala Cys Ala Thr Gly Gly
          740   745   750

Gly Cys Gly Ala Gly Cys Thr Gly Gly Gly Cys Thr Cys Ala Gly Cys

                755   760   765

Cys Gly Cys Gly Gly Thr Gly Cys Cys Ala Gly Cys Cys Ala Thr Thr
    770   775   780

Thr Thr Thr Cys Cys Ala Gly Cys Ala Thr Gly Cys Thr Ala Thr Gly
785   790   795   800

Gly Ala Ala Thr Ala Thr Ala Gly Gly Gly Gly Thr Gly Thr Thr Ala
        805   810   815

Thr Cys Ala Gly Gly Cys Cys Ala Gly Gly Gly Thr Gly Gly Gly Ala
        820   825   830

Ala Ala Ala Gly Cys Cys Thr Gly Gly Gly Ala Ala Thr Ala Gly Cys
        835   840   845

Gly Ala Gly Cys Cys Ala Gly Ala Thr Ala Gly Cys Cys Thr Cys Ala
    850   855   860

Cys Cys Cys Gly Gly Gly Ala Cys Ala Thr Thr Gly Ala Cys Cys Ala
865   870   875   880

Thr Cys Cys Cys Ala Gly Cys Cys Ala Thr Gly Thr Ala Gly Ala Thr
            885   890   895

Ala Ala Ala Thr Cys Ala Gly Ala Gly Thr Thr Gly Ala Cys Ala Thr
        900   905   910

Cys Ala Cys Cys Ala Ala Ala Gly Cys Cys Ala Gly Cys Cys Ala Cys
        915   920   925

Thr Gly Ala Cys Thr Gly Cys Ala Thr Gly Thr Cys Thr Thr Ala Thr
    930   935   940

Gly Cys Thr Cys Thr Gly Ala Ala Gly Gly Thr Gly Ala Ala Gly Thr
945   950   955   960

Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly Gly Cys Ala Thr
            965   970   975

Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Gly Cys Thr Cys Cys
        980   985   990

Cys Ala Ala Ala Gly Gly Ala Asn Gly
        995   1000

<210> 8
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Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys Cys Thr Gly
1   5   10   15

Ala Gly Ala Gly Ala Gly Gly Gly Gly Thr Gly Gly Gly Gly Gly Ala
        20   25   30

Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr Gly Gly
        35   40   45

Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala Cys Cys Cys
        50   55   60

Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala Cys Ala Gly
65   70   75   80

Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys Thr Cys Ala
        85   90   95

Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr Gly Gly Gly
        100   105   110

Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys Cys Ala Gly
        115   120   125

Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys Ala Cys Thr
        130   135   140

Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys Cys Cys Ala
145   150   155   160

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Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala Ala Thr Gly
            165                 170             175


Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr Gly Gly Ala
            180                 185             190


Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys Ala Thr Ala
            195                 200             205


Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr Ala Ala Cys
    210                 215                 220


Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly Thr Thr Gly
225                 230                 235                 240


Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr Thr Cys Cys
            245                 250                 255


Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly Gly Gly Gly
            260                 265                 270


Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala Thr Gly Cys
            275                 280                 285


Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala Thr Gly Cys
    290                 295                 300


Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr Ala Gly Gly
305                 310                 315                 320


Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys Thr Ala Ala
            325                 330             335


Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala Thr Thr Cys
            340                 345             350


Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Cys Thr Thr Gly Thr
            355                 360             365


Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys Ala Ala Ala
    370                 375                 380
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Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala Gly Thr Thr
385   390   395   400

Thr Cys Thr Cys Thr Gly Thr Thr Ala Ala Ala Ala Ala Ala Ala Ala
        405   410   415

Ala Ala Ala Gly Gly Thr Gly Gly Ala Ala Gly Ala Cys Ala Cys Thr
        420   425   430

Gly Cys Cys Ala Thr Cys Thr Cys Ala Thr Thr Thr Gly Thr Gly Thr
        435   440   445

Thr Gly Gly Gly Ala Cys Thr Thr Gly Ala Gly Ala Thr Ala Thr Ala
    450   455   460

Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
465   470   475   480

Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
        485   490   495

Thr Ala Thr Ala Ala Thr Thr Thr Ala Thr Thr Thr Ala Thr Thr Thr
        500   505   510

Ala Thr Thr Thr Ala Thr Thr Thr Gly Thr Gly Thr Ala Thr Gly Thr
    515   520   525

Gly Thr Gly Thr Ala Thr Ala Ala Gly Ala Ala Ala Gly Cys Gly Gly
    530   535   540

Gly Gly Gly Ala Cys Ala Cys Thr Cys Ala Thr Gly Thr Gly Cys Cys
545   550   555   560

Ala Thr Gly Gly Thr Gly Thr Gly Thr Ala Thr Gly Gly Gly Gly Ala
        565   570   575

Cys Ala Cys Ala Cys Gly Thr Gly Thr Cys Cys Thr Gly Thr Gly Gly
        580   585   590

Gly Gly Gly Ala Ala Cys Ala Thr Thr Gly Thr Gly Thr Cys Ala Gly
    595   600   605

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Gly Gly Gly Ala Ala Cys Ala Ala Ala Cys Ala Thr Gly Thr Gly Cys
    610             615             620

Thr Gly Ala Gly Gly Gly Thr Gly Gly Gly Gly Gly Gly Ala Thr Ala
625             630             635             640

Thr Ala Thr Ala Thr Gly Thr Gly Cys Cys Ala Cys Thr Gly Thr Gly
            645             650             655

Gly Thr Gly Ala Thr Thr Thr Gly Gly Thr Thr Gly Gly Gly Gly Gly
            660             665             670

Ala Gly Ala Cys Ala Thr Gly Thr Ala Thr Gly Thr Gly Cys Thr Ala
    675             680             685

Thr Gly Ala Thr Ala Cys Cys Thr Gly Thr Gly Thr Gly Thr Ala Gly
    690             695             700

Gly Ala Cys Ala Gly Ala Gly Gly Ala Cys Ala Cys Ala Cys Thr Cys
705             710             715             720

Ala Cys Ala Cys Ala Gly Gly Ala Gly Cys Cys Thr Thr Cys Thr Thr
            725             730             735

Ala Cys Cys Thr Gly Cys Thr Gly Ala Gly Cys Thr Gly Thr Cys Thr
            740             745             750

Cys Ala Ala Gly Cys Ala Gly Thr Cys Cys Ala Ala Gly Cys Cys Cys
    755             760             765

Thr Cys Cys Ala Gly Gly Cys Thr Gly Thr Ala Gly Cys Cys Ala Cys
    770             775             780

Thr Cys Thr Thr Cys Cys Thr Cys Cys Thr Thr Gly Cys Thr Ala Cys
785             790             795             800

Ala Gly Thr Cys Cys Cys Ala Cys Ala Thr Cys Cys Ala Gly Cys Cys
            805             810             815

Ala Ala Cys Ala Cys Ala Thr Ala Ala Ala Gly Gly Cys Thr Cys Thr
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                820   825   830

Gly Gly Cys Ala Gly Gly Ala Ala Ala Thr Ala Ala Ala Thr Thr Ala
        835   840   845

Ala Ala Thr Thr Thr Gly Cys Thr Thr Thr Gly Thr Gly Thr Gly Thr
    850   855   860

Gly Gly Gly Thr Gly Cys Thr Gly Ala Cys Gly Gly Cys Thr Cys Ala
865   870   875   880

Ala Gly Thr Cys Thr Thr Cys Cys Gly Gly Thr Gly Ala Thr Gly Gly
                885   890   895

Thr Ala Ala Thr Gly Thr Thr Thr Ala Ala Ala Gly Cys Ala Ala Gly
            900   905   910

Cys Cys Ala Ala Cys Ala Thr Cys Ala Gly Thr Thr Cys Thr Cys Cys
        915   920   925

Ala Gly Thr Gly Cys Cys Gly Ala Ala Gly Thr Thr Ala Thr Thr Gly
    930   935   940

Ala Ala Thr Gly Ala Cys Thr Gly Ala Cys Cys Ala Ala Thr Gly Gly
945   950   955   960

Gly Thr Ala Ala Cys Ala Cys Thr Thr Ala Gly Gly Ala Thr Thr Thr
                965   970   975

Thr Thr Ala Ala Ala Ala Ala Thr Thr Ala Thr Thr Thr Thr Gly Ala
        980   985   990

Thr Thr Gly Thr Ala Cys Ala Thr Thr Thr Thr Gly Ala Ala Thr Thr
        995   1000   1005

Ala Cys Ala Thr Thr Ala Ala Thr Cys Thr Thr Ala Ala Ala Ala
    1010   1015   1020

Thr Ala Ala Ala Cys Thr Ala Cys Ala Ala Ala Cys Ala Thr Ala
    1025   1030   1035

Ala Ala Cys Ala Cys Ala Cys Thr Gly Thr Gly Gly Thr Thr Gly
    1040   1045   1050

Gly Ala Gly Cys Thr Gly Gly Gly Cys Ala Thr Ala Gly Thr Gly
    1055   1060   1065

Gly Cys Ala Cys Ala Thr Gly Cys Cys Thr Thr Thr Ala Ala Thr
    1070   1075   1080

Thr Cys Cys Ala Gly Ala Ala Cys Thr Thr Gly Gly Gly Ala Gly
    1085   1090   1095

Gly Cys Ala Gly Ala Gly Gly Cys Thr Gly Gly Cys Ala Thr Ala
    1100   1105   1110

Thr Cys Thr Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Ala
    1115   1120   1125

Gly Gly Cys Cys Ala Gly Cys Cys Thr Gly Gly Thr Cys Thr Ala
    1130   1135   1140

Thr Ala Thr Ala Ala Thr Gly Ala Gly Thr Thr Cys Cys Ala Gly
    1145   1150   1155

Gly Ala Cys Ala Gly Ala Gly Ala Gly Ala Thr Cys Cys Thr Gly
    1160   1165   1170

Thr Cys Thr Cys Ala Cys Ala Ala Ala Cys Ala Gly Ala Gly Ala
    1175   1180   1185

Ala Ala Ala Cys Cys Cys Cys Ala Thr Ala Ala Cys Thr Ala Thr
    1190   1195   1200

Ala Cys Thr Thr Thr Thr Ala Thr Thr Gly Thr Ala Cys Thr Gly
    1205   1210   1215

Gly Thr Thr Gly Gly Thr Cys Thr Ala Cys Ala Gly Thr Gly Thr
    1220   1225   1230

Ala Ala Ala Gly Ala Ala Thr Thr Gly Gly Cys Ala Ala Ala Gly
    1235   1240   1245

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Ala Ala  Thr Ala Thr Gly Ala  Ala Ala Gly Ala Thr  Thr Ala Cys
    1250                 1255                 1260


Ala Cys  Thr Gly Gly Gly Ala  Ala Gly Ala Ala Ala  Cys Thr Gly
    1265                 1270                 1275


Ala Ala  Ala Gly Cys Cys Ala  Thr Cys Cys Ala Gly  Ala Gly Thr
    1280                 1285                 1290


Ala Ala  Thr Gly Ala Ala Gly  Cys Ala Ala Ala Cys  Cys Cys Cys
    1295                 1300                 1305


Thr Cys  Ala Cys Ala Ala Ala  Thr Gly Thr Gly Gly  Gly Ala Ala
    1310                 1315                 1320


Ala Cys  Ala Thr Thr Thr Cys  Ala Cys Ala Thr Gly  Gly Gly Thr
    1325                 1330                 1335


Gly Ala  Gly Gly Gly Cys Thr  Thr Gly Cys Ala Gly  Cys Cys Ala
    1340                 1345                 1350


Gly Cys  Cys Thr Gly Thr Gly  Cys Thr Ala Ala Thr  Thr Thr Ala
    1355                 1360                 1365


Thr Gly  Thr Thr Thr Thr Gly  Gly Thr Ala Cys Gly  Thr Gly Ala
    1370                 1375                 1380


Gly Cys  Ala Cys Thr Thr Ala  Gly Ala Gly Cys Ala  Gly Thr Thr
    1385                 1390                 1395


Thr Cys  Cys Ala Gly Thr Thr  Cys Thr Cys Thr Gly  Gly Thr Gly
    1400                 1405                 1410


Cys Thr  Cys Thr Ala Cys Cys  Ala Ala Thr Cys Thr  Thr Ala Gly
    1415                 1420                 1425


Cys Thr  Thr Gly Gly Thr Thr  Ala Ala Thr Ala Thr  Thr Cys Ala
    1430                 1435                 1440


Gly Gly  Gly Ala Thr Gly Ala  Gly Thr Cys Thr Thr  Cys Cys Ala
    1445                 1450                 1455
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Thr Cys  Ala Cys Cys Gly Gly  Thr Ala Ala Thr Cys  Thr Ala Ala
    1460              1465              1470

Thr Thr  Thr Gly Cys Cys Ala  Thr Thr Cys Thr Ala  Thr Thr Thr
    1475              1480              1485

Ala Ala  Ala Gly Gly Cys Thr  Cys Thr Thr Ala Ala  Ala Gly Gly
    1490              1495              1500

Cys Ala  Cys Ala Gly Gly Cys  Ala Gly Thr Gly Cys  Ala Thr Thr
    1505              1510              1515

Gly Gly  Gly Thr Ala Ala Ala  Thr Gly Thr Gly Gly  Cys Ala Ala
    1520              1525              1530

Ala Thr  Ala Ala Thr Thr Thr  Cys Thr Thr Thr Gly  Ala Cys Ala
    1535              1540              1545

Ala Ala  Thr Cys Gly Ala Cys  Cys Ala Ala Thr Thr  Gly Thr Cys
    1550              1555              1560

Ala Gly  Ala Thr Thr Gly Gly  Cys Cys Thr Gly Cys  Thr Ala Gly
    1565              1570              1575

Thr Cys  Ala Thr Thr Thr Gly  Thr Thr Thr Cys Ala  Ala Thr Gly
    1580              1585              1590

Ala Gly  Ala Ala Cys Thr Gly  Thr Thr Thr Thr Thr  Thr Cys Thr
    1595              1600              1605

Cys Ala  Ala Ala Gly Gly Ala  Thr Gly Cys Thr Cys  Thr Thr Gly
    1610              1615              1620

Thr Ala  Cys Ala Cys Cys Gly  Gly Cys Thr Ala Gly  Ala Ala Gly
    1625              1630              1635

Cys Ala  Gly Gly Gly Cys Thr  Gly Thr Cys Ala Thr  Thr Thr Thr
    1640              1645              1650

Thr Ala  Thr Ala Gly Gly Thr  Cys Thr Cys Thr Gly  Thr Gly Gly
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     1655                    1660                    1665

Thr Ala  Thr Thr Thr Thr Gly  Thr Thr Gly Thr Thr  Gly Thr Thr
     1670                    1675                    1680

Gly Thr  Thr Cys Thr Gly Thr  Thr Gly Thr Thr Gly  Cys Ala Ala
     1685                    1690                    1695

Ala Thr  Cys Ala Thr Thr Thr  Ala Thr Cys Ala Cys  Thr Gly Ala
     1700                    1705                    1710

Gly Gly  Gly Ala Ala Ala Ala  Thr Ala Cys Ala Cys  Ala Cys Ala
     1715                    1720                    1725

Ala Ala  Gly Gly Gly Cys Cys  Cys Thr Thr Thr Cys  Thr Thr Thr
     1730                    1735                    1740

Ala Ala  Ala Ala Gly Thr Ala  Thr Ala Cys Ala Thr  Gly Thr Ala
     1745                    1750                    1755

Thr Cys  Ala Thr Thr Thr Thr  Gly Thr Gly Ala Cys  Ala Gly Cys
     1760                    1765                    1770

Thr Cys  Ala Thr Ala Ala Gly  Ala Ala Gly Cys Thr  Gly Thr Thr
     1775                    1780                    1785

Thr Thr  Thr Thr Thr Cys Thr  Gly Cys Cys Thr Gly  Gly Ala Cys
     1790                    1795                    1800

Ala Cys  Ala Gly Gly Thr Cys  Cys Thr Gly Ala Cys  Cys Thr Gly
     1805                    1810                    1815

Thr Gly  Cys Thr Gly Thr Gly  Thr Cys Cys Thr Thr  Gly Cys Thr
     1820                    1825                    1830

Ala Ala  Gly Cys Thr Thr Thr  Gly Thr Cys Ala Gly  Ala Cys Cys
     1835                    1840                    1845

Cys Thr  Thr Cys Cys Ala Cys  Ala Gly Cys Thr Cys  Cys Cys Cys
     1850                    1855                    1860
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Cys Cys  Ala Ala Cys Ala Ala  Cys Gly Ala Gly Thr  Thr Cys Cys
    1865                1870            1875

Cys Cys  Ala Gly Thr Ala Cys  Cys Thr Gly Cys Cys  Thr Cys Ala
    1880                1885            1890

Cys Cys  Thr Cys Ala Thr Cys  Ala Cys Thr Ala Thr  Gly Gly Thr
    1895                1900            1905

Gly Ala  Cys Ala Gly Cys Ala  Gly Cys Cys Thr Cys  Thr Gly Ala
    1910                1915            1920

Thr Gly  Cys Gly Cys Thr Gly  Ala Cys Thr Cys Thr  Cys Thr Gly
    1925                1930            1935

Gly Cys  Ala Cys Ala Thr Thr  Ala Thr Gly Gly Cys  Ala Gly Thr
    1940                1945            1950

Gly Thr  Thr Ala Ala Ala Ala  Gly Cys Thr Thr Cys  Cys Ala Thr
    1955                1960            1965

Cys Thr  Cys Thr Cys Thr Cys  Thr Thr Thr Gly Cys  Thr Gly Ala
    1970                1975            1980

Ala Thr  Ala Ala Thr Gly Ala  Ala Cys Cys Thr Cys  Ala Gly Gly
    1985                1990            1995

Thr Thr  Gly Thr Thr Cys Ala  Ala Gly Ala Gly Ala  Cys Cys Gly
    2000                2005            2010

Gly Ala  Ala Thr Gly Thr Thr  Cys Thr Thr Cys Ala  Cys Cys Thr
    2015                2020            2025

Gly Cys  Cys Thr Gly Cys Ala  Cys Ala Cys Ala Thr  Cys Thr Cys
    2030                2035            2040

Thr Thr  Cys Ala Cys Thr Thr  Thr Cys Thr Thr Thr  Thr Ala Thr
    2045                2050            2055

Ala Gly  Ala Thr Cys Ala Gly  Gly Thr Ala Gly Gly  Gly Ala Cys
    2060                2065            2070
```

Thr Gly Gly Gly Cys Gly Thr Gly Thr Ala Gly Ala Thr Gly Gly
    2075   2080   2085

Ala Ala Cys Ala Ala Ala Cys Thr Gly Thr Thr Thr Thr Cys Cys
    2090   2095   2100

Gly Thr Thr Cys Cys Cys Cys Ala Gly Cys Cys Ala Thr Cys Thr
    2105   2110   2115

Cys Thr Gly Cys Ala Gly Gly Thr Gly Cys Ala Cys Thr Cys Cys
    2120   2125   2130

Ala Cys Ala Thr Ala Ala Ala Thr Cys Ala Ala Gly Thr Gly Thr
    2135   2140   2145

Thr Ala Ala Ala Ala Gly Thr Gly Cys Thr Thr Thr Gly Ala Thr
    2150   2155   2160

Thr Ala Ala Ala Cys Ala Gly Gly Ala Cys Ala Gly Gly Cys Gly
    2165   2170   2175

Cys Gly Thr Thr Cys Thr Thr Gly Ala Gly Thr Thr Cys Ala Thr
    2180   2185   2190

Cys Thr Gly Thr Thr Cys Ala Cys Ala Thr Ala Cys Thr Gly Thr
    2195   2200   2205

Cys Thr Gly Gly Cys Ala Ala Gly Cys Gly Cys Thr Gly Ala Cys
    2210   2215   2220

Thr Gly Ala Gly Gly Gly Thr Cys Thr Cys Cys Thr Cys Thr Gly
    2225   2230   2235

Thr Ala Cys Cys Cys Thr Gly Thr Thr Cys Thr Gly Ala Gly Ala
    2240   2245   2250

Ala Cys Thr Ala Ala Cys Ala Ala Ala Ala Gly Ala Cys Gly Ala
    2255   2260   2265

Ala Thr Cys Ala Ala Cys Ala Thr Ala Cys Ala Gly Ala Ala Ala
    2270   2275   2280

Ala Cys Thr Gly Thr Thr Ala Thr Thr Thr Ala Gly Thr Gly Ala
    2285   2290   2295

Cys Thr Gly Ala Thr Thr Ala Ala Ala Cys Thr Ala Ala Cys Gly
    2300   2305   2310

Ala Ala Gly Gly Cys Ala Thr Gly Gly Gly Cys Thr Gly Gly Ala
    2315   2320   2325

Gly Ala Ala Ala Thr Ala Ala Cys Thr Cys Ala Gly Cys Ala Gly
    2330   2335   2340

Thr Thr Ala Ala Gly Ala Ala Cys Ala Thr Thr Thr Gly Cys Thr
    2345   2350   2355

Gly Ala Thr Cys Thr Thr Gly Cys Ala Gly Ala Gly Gly Ala Cys
    2360   2365   2370

Cys Thr Gly Gly Gly Thr Thr Gly Gly Gly Thr Thr Cys Cys Thr
    2375   2380   2385

Ala Gly Cys Ala Cys Ala Cys Ala Cys Ala Gly Gly Gly Ala Cys
    2390   2395   2400

Ala Gly Thr Thr Cys Cys Ala Gly Thr Cys Cys Cys Gly Gly Thr
    2405   2410   2415

Gly Thr Gly Thr Cys Cys Thr Thr Thr Thr Cys Thr Cys Ala Cys
    2420   2425   2430

Thr Thr Cys Thr Gly Thr Gly Gly Ala Cys Ala Cys Ala Ala Gly
    2435   2440   2445

Thr Thr Thr Thr Ala Cys Ala Cys Ala Thr Ala Gly Thr Gly Cys
    2450   2455   2460

Ala Cys Ala Cys Ala Cys Ala Thr Ala Cys Ala Cys Thr Cys Ala
    2465   2470   2475

Cys Ala Thr Ala Thr Ala Thr Ala Ala Ala Ala Cys Ala Gly Ala

                2480   2485   2490

Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Gly Thr Ala Thr Gly
    2495   2500   2505

Thr Thr Thr Ala Ala Ala Thr Ala Ala Cys Gly Gly Ala Ala Thr
    2510   2515   2520

Cys Ala Thr Thr Thr Ala Thr Ala Thr Ala Gly Gly Thr Thr Thr
    2525   2530   2535

Thr Cys Ala Thr Thr Thr Ala Cys Ala Thr Ala Gly Gly Thr Ala
    2540   2545   2550

Ala Ala Thr Ala Gly Gly Cys Ala Ala Ala Ala Ala Thr Cys Thr
    2555   2560   2565

Gly Cys Ala Thr Thr Thr Thr Ala Thr Thr Gly Thr Thr Thr Cys
    2570   2575   2580

Thr Ala Ala Gly Thr Thr Thr Thr Ala Ala Thr Thr Thr Ala Thr
    2585   2590   2595

Thr Thr Thr Thr Cys Thr Cys Thr Gly Thr Gly Thr Gly Thr Ala
    2600   2605   2610

Cys Ala Thr Ala Cys Gly Cys Ala Thr Gly Cys Cys Thr Cys Cys
    2615   2620   2625

Thr Thr Ala Thr Cys Thr Gly Thr Ala Thr Gly Thr Gly Cys Gly
    2630   2635   2640

Thr Gly Cys Ala Cys Thr Gly Thr Gly Thr Gly Cys Ala Thr Gly
    2645   2650   2655

Cys Ala Thr Gly Ala Ala Cys Cys Cys Ala Cys Ala Gly Ala Gly
    2660   2665   2670

Ala Cys Cys Ala Gly Ala Ala Gly Ala Gly Thr Ala Cys Cys Ala
    2675   2680   2685

```
Cys Ala  Gly Ala Thr Thr Cys  Thr Cys Thr Gly Gly  Ala Gly Cys
    2690                2695                2700

Thr Gly  Gly Ala Gly Thr Gly  Ala Thr Thr Gly Ala  Thr Ala Gly
    2705                2710                2715

Gly Cys  Thr Gly Thr Thr Gly  Gly Gly Ala Gly Cys  Cys Ala Cys
    2720                2725                2730

Thr Cys  Cys Ala Cys Ala Thr  Gly Gly Gly Gly Ala  Thr Thr Cys
    2735                2740                2745

Ala Gly  Ala Gly Thr Thr Gly  Ala Ala Cys Thr Thr  Cys Gly Thr
    2750                2755                2760

Thr Cys  Thr Cys Thr Gly Cys  Ala Ala Gly Ala Ala  Cys Ala Gly
    2765                2770                2775

Cys Cys  Ala Gly Cys Thr Cys  Thr Thr Ala Ala Cys  Thr Gly Ala
    2780                2785                2790

Thr Gly  Gly Cys Thr Thr Thr  Thr Ala Cys Cys Thr  Cys Cys Ala
    2795                2800                2805

Gly Cys  Cys Ala Cys Cys Thr  Thr Thr Thr Cys Cys  Thr Cys Ala
    2810                2815                2820

Thr Thr  Thr Thr Thr Ala Ala  Ala Ala Thr Thr Thr  Cys Cys Thr
    2825                2830                2835

Thr Cys  Cys Thr Thr Cys Cys  Thr Thr Thr Thr Thr  Gly Ala Gly
    2840                2845                2850

Ala Cys  Ala Gly Gly Gly Thr  Cys Thr Cys Ala Ala  Thr Ala Cys
    2855                2860                2865

Thr Thr  Ala Gly Cys Thr Cys  Ala Thr Cys Cys Cys  Ala Ala Cys
    2870                2875                2880

Thr Thr  Gly Ala Cys Cys Cys  Cys Ala Cys Thr Cys  Thr Thr Cys
    2885                2890                2895
```

Thr Cys Thr Thr Gly Cys Cys Thr Thr Ala Gly Thr Cys Ala Cys
    2900   2905   2910

Cys Ala Cys Ala Ala Thr Gly Thr Thr Thr Ala Gly Thr Thr Thr
    2915   2920   2925

Ala Thr Ala Ala Gly Cys Ala Thr Gly Cys Gly Thr Cys Ala Cys
    2930   2935   2940

Thr Ala Thr Gly Cys Cys Cys Gly Gly Cys Thr Thr Thr Ala Ala
    2945   2950   2955

Ala Thr Ala Ala Ala Cys Thr Cys Ala Cys Cys Cys Ala Thr Ala
    2960   2965   2970

Ala Thr Cys Cys Cys Ala Gly Cys Ala Cys Thr Gly Ala Ala Gly
    2975   2980   2985

Thr Ala Gly Ala Cys Ala Ala Ala Ala Gly Gly Gly Ala Gly Gly
    2990   2995   3000

Ala Thr Cys Gly Ala Thr Gly Gly Gly Gly Cys Thr Gly Ala Cys
    3005   3010   3015

Thr Gly Gly Cys Cys Ala Cys Ala Ala Gly Cys Cys Gly Thr Gly
    3020   3025   3030

Cys Thr Thr Cys Ala Ala Gly Thr Thr Cys Ala Ala Thr Gly Ala
    3035   3040   3045

Ala Gly Ala Cys Cys Cys Thr Gly Thr Cys Thr Cys Ala Ala Gly
    3050   3055   3060

Gly Gly Ala Ala Thr Ala Ala Gly Gly Cys Ala Cys Ala Gly Ala
    3065   3070   3075

Gly Gly Ala Thr Ala Gly Ala Gly Cys Cys Ala Thr Ala Cys Gly
    3080   3085   3090

Cys Cys Thr Gly Ala Cys Cys Thr Cys Cys Thr Cys Cys Thr Cys
    3095   3100   3105

```
Thr Gly  Gly Cys Cys Thr Cys  Thr Ala Cys Cys Cys  Ala Gly Gly
    3110             3115              3120

Cys Ala  Cys Ala Thr Gly Thr  Gly Cys Ala Thr Ala  Cys Ala Cys
    3125             3130              3135

Ala Cys  Ala Cys Cys Ala Cys  Ala Cys Ala Cys Ala  Cys Ala Cys
    3140             3145              3150

Ala Cys  Ala Cys Ala Cys Ala  Cys Ala Cys Ala Cys  Ala Cys Ala
    3155             3160              3165

Cys Ala  Cys Ala Cys Ala Cys  Ala Gly Ala Gly Ala  Gly Ala Gly
    3170             3175              3180

Ala Gly  Ala Gly Ala Gly Ala  Gly Ala Gly Ala Gly  Ala Gly Ala
    3185             3190              3195

Gly Ala  Gly Ala Gly Ala Gly  Ala Gly Ala Gly Ala  Gly Ala Gly
    3200             3205              3210

Ala Gly  Ala Gly Ala Gly Ala  Gly Ala Ala Ala Cys  Thr Thr Thr
    3215             3220              3225

Thr Thr  Cys Cys Thr Cys Thr  Thr Thr Thr Thr Thr  Thr Thr Thr
    3230             3235              3240

Ala Ala  Ala Ala Ala Thr Ala  Thr Thr Ala Thr Thr  Thr Ala Thr
    3245             3250              3255

Thr Thr  Cys Ala Thr Gly Thr  Ala Thr Ala Thr Gly  Ala Gly Thr
    3260             3265              3270

Ala Cys  Ala Cys Thr Gly Thr  Thr Gly Cys Thr Gly  Thr Cys Thr
    3275             3280              3285

Thr Cys  Ala Gly Ala Cys Ala  Cys Cys Cys Cys Ala  Ala Ala Ala
    3290             3295              3300

Gly Ala  Ala Gly Gly Cys Ala  Thr Cys Ala Gly Ala  Thr Cys Cys
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        3305                    3310                     3315


Cys Ala  Thr Thr Gly Ala Cys  Ala Ala Ala Thr Gly  Gly Thr Thr
    3320                   3325              3330


Gly Thr  Gly Ala Gly Cys Cys  Ala Cys Cys Ala Thr  Gly Thr Gly
    3335                   3340              3345


Gly Thr  Thr Gly Cys Thr Gly  Gly Gly Ala Ala Thr  Thr Gly Ala
    3350                   3355              3360


Ala Cys  Thr Cys Ala Gly Gly  Ala Cys Cys Thr Cys  Thr Gly Gly
    3365                   3370              3375


Ala Ala  Ala Ala Gly Cys Ala  Gly Thr Cys Ala Gly  Thr Gly Cys
    3380                   3385              3390


Thr Cys  Thr Thr Ala Ala Cys  Cys Ala Thr Cys Thr  Cys Thr Thr
    3395                   3400              3405


Cys Ala  Gly Cys Cys Cys Cys  Ala Cys Ala Ala Ala  Gly Ala Ala
    3410                   3415              3420


Ala Cys  Thr Thr Thr Thr Ala  Ala Thr Gly Ala Gly  Cys Ala Ala
    3425                   3430              3435


Ala Thr  Ala Ala Thr Thr Gly  Cys Thr Thr Cys Cys  Ala Ala Gly
    3440                   3445              3450


Thr Ala  Ala Ala Thr Ala Cys  Thr Ala Cys Thr Ala  Ala Thr Ala
    3455                   3460              3465


Thr Ala  Thr Thr Thr Cys Thr  Ala Ala Cys Cys Ala  Thr Ala Cys
    3470                   3475              3480


Thr Ala  Thr Ala Cys Ala Ala  Gly Gly Ala Ala Thr  Thr Ala Thr
    3485                   3490              3495


Thr Ala  Ala Ala Gly Ala Ala  Cys Gly Gly Ala Thr  Ala Ala Thr
    3500                   3505              3510
```

Ala Gly Gly Ala Gly Ala Ala Thr Ala Ala Ala Ala Ala Thr
    3515   3520   3525

Thr Ala Thr Ala Ala Gly Thr Cys Ala Cys Thr Thr Thr Ala Thr
    3530   3535   3540

Ala Ala Thr Gly Cys Thr Ala Thr Cys Thr Ala Ala Thr Cys Cys
    3545   3550   3555

Ala Thr Cys Thr Ala Gly Ala Ala Cys Ala Ala Ala Ala Ala Cys
    3560   3565   3570

Ala Cys Thr Gly Thr Ala Ala Thr Ala Ala Thr Gly Cys Ala Ala
    3575   3580   3585

Ala Ala Gly Ala Gly Cys Gly Cys Ala Gly Thr Gly Cys Cys Thr
    3590   3595   3600

Ala Gly Ala Thr Thr Ala Ala Ala Thr Ala Ala Ala Thr Ala Ala
    3605   3610   3615

Ala Ala Thr Gly Cys Ala Gly Ala Cys Cys Ala Ala Thr Ala Ala
    3620   3625   3630

Gly Thr Ala Ala Ala Cys Thr Thr Thr Ala Thr Ala Gly Cys Ala
    3635   3640   3645

Gly Cys Ala Cys Ala Thr Gly Gly Ala Ala Ala Thr Gly Ala Cys
    3650   3655   3660

Gly Ala Ala Ala Thr Thr Cys Cys Thr Ala Ala Cys Ala Ala Ala
    3665   3670   3675

Ala Ala Gly Cys Thr Cys Ala Ala Gly Ala Thr Gly Gly Gly Cys
    3680   3685   3690

Ala Gly Thr Thr Thr Ala Thr Thr Thr Ala Ala Ala Gly Thr Gly
    3695   3700   3705

Ala Ala Ala Thr Ala Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr
    3710   3715   3720

Ala Ala Ala Gly Cys Ala Cys Ala Gly Ala Ala Ala Gly Ala Thr
    3725   3730   3735

Ala Cys Thr Cys Ala Ala Ala Gly Gly Cys Ala Thr Ala Gly Ala
    3740   3745   3750

Ala Gly Thr Thr Ala Ala Cys Ala Thr Ala Gly Gly Gly Gly Gly
    3755   3760   3765

Gly Cys Thr Gly Gly Cys Gly Ala Gly Ala Thr Gly Gly Cys Thr
    3770   3775   3780

Cys Thr Ala Cys Ala Gly Gly Thr Ala Ala Gly Ala Gly Cys Ala
    3785   3790   3795

Cys Cys Cys Gly Ala Cys Thr Gly Cys Thr Cys Thr Thr Cys Cys
    3800   3805   3810

Ala Ala Ala Gly Gly Thr Cys Cys Thr Gly Ala Gly Thr Thr Cys
    3815   3820   3825

Ala Ala Ala Thr Cys Cys Cys Ala Gly Cys Ala Ala Cys Cys Ala
    3830   3835   3840

Cys Ala Thr Gly Gly Thr Gly Gly Cys Thr Cys Ala Cys Ala Ala
    3845   3850   3855

Cys Cys Ala Thr Cys Cys Gly Thr Ala Ala Thr Gly Ala Gly Ala
    3860   3865   3870

Thr Thr Thr Gly Ala Cys Thr Cys Cys Cys Thr Cys Thr Thr Cys
    3875   3880   3885

Thr Gly Gly Thr Gly Thr Gly Thr Cys Thr Gly Ala Ala Gly Ala
    3890   3895   3900

Cys Ala Gly Cys Thr Ala Cys Ala Gly Thr Gly Thr Ala Cys Thr
    3905   3910   3915

Thr Ala Ala Cys Ala Thr Ala Thr Ala Ala Thr Ala Ala Ala Thr
    3920   3925   3930

```
Ala  Ala  Ala  Thr  Ala  Ala  Ala  Ala  Cys  Thr  Thr  Thr  Ala  Ala  Ala
     3935                3940                3945

Ala  Ala  Ala  Ala  Ala  Ala  Ala  Thr  Thr  Ala  Ala  Ala  Gly  Ala  Ala
     3950                3955                3960

Gly  Thr  Thr  Ala  Ala  Cys  Ala  Thr  Ala  Gly  Ala  Ala  Gly  Cys  Cys
     3965                3970                3975

Cys  Ala  Cys  Thr  Cys  Ala  Gly  Gly  Ala  Cys  Cys  Cys  Cys  Ala  Cys
     3980                3985                3990

Thr  Cys  Ala  Gly  Thr  Cys  Cys  Thr  Ala  Gly  Ala  Gly  Thr  Ala  Thr
     3995                4000                4005

Gly  Ala  Cys  Ala  Thr  Thr  Ala  Thr  Thr  Ala  Thr  Gly  Gly  Ala  Cys
     4010                4015                4020

Ala  Thr  Thr  Ala  Ala  Ala  Ala  Ala  Gly  Ala  Gly  Ala  Ala  Ala  Ala
     4025                4030                4035

Thr  Thr  Cys  Ala  Gly  Cys  Ala  Gly  Thr  Ala  Gly  Thr  Gly  Thr  Gly
     4040                4045                4050

Cys  Ala  Thr  Gly  Cys  Ala  Cys  Thr  Gly  Cys  Ala  Thr  Ala  Thr  Ala
     4055                4060                4065

Thr  Ala  Cys  Ala  Cys  Ala  Ala  Ala  Thr  Cys  Cys  Thr  Thr  Gly  Ala
     4070                4075                4080

Gly  Thr  Thr  Thr  Cys  Ala  Thr  Ala  Cys  Cys  Ala  Ala  Ala  Thr  Gly
     4085                4090                4095

Cys  Cys  Thr  Thr  Thr  Ala  Gly  Ala  Cys  Cys  Ala  Cys  Thr  Thr  Gly
     4100                4105                4110

Thr  Gly  Gly  Cys  Thr  Cys  Thr  Gly  Cys  Ala  Ala  Ala  Cys  Cys  Thr
     4115                4120                4125

Gly  Thr  Ala  Ala  Thr  Cys  Cys  Thr  Ala  Gly  Cys  Ala  Cys  Thr  Thr
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        4130                    4135                    4140

Gly Thr  Gly Ala Ala Ala Ala  Gly Gly Thr Cys Ala  Gly Cys Thr
    4145                    4150                    4155


Cys Ala  Gly Gly Ala Ala Cys  Thr Thr Thr Gly Gly  Gly Ala Ala
    4160                    4165                    4170


Gly Gly  Thr Cys Ala Thr Gly  Ala Ala Ala Cys Thr  Cys Thr Thr
    4175                    4180                    4185


Gly Cys  Cys Cys Cys Thr Cys  Cys Ala Gly Ala Ala  Gly Gly Gly
    4190                    4195                    4200


Ala Gly  Ala Gly Gly Cys Thr  Ala Ala Thr Thr Ala  Ala Cys Ala
    4205                    4210                    4215


Thr Thr  Thr Cys Thr Cys Ala  Gly Ala Cys Cys Ala  Cys Ala Gly
    4220                    4225                    4230


Gly Gly  Cys Gly Gly Gly Ala  Ala Cys Cys Gly Ala  Cys Cys Thr
    4235                    4240                    4245


Gly Cys  Gly Gly Gly Thr Gly  Gly Gly Gly Ala Cys  Ala Gly Ala
    4250                    4255                    4260


Cys Thr  Gly Thr Thr Gly Cys  Cys Cys Ala Thr Thr  Thr Cys Cys
    4265                    4270                    4275


Ala Gly  Ala Cys Thr Ala Gly  Gly Gly Ala Ala Gly  Thr Cys Cys
    4280                    4285                    4290


Thr Thr  Gly Thr Cys Ala Cys  Cys Thr Cys Ala Thr  Thr Cys Cys
    4295                    4300                    4305


Cys Thr  Ala Ala Ala Gly Ala  Cys Cys Ala Ala Thr  Cys Ala Ala
    4310                    4315                    4320


Thr Thr  Thr Ala Ala Ala Gly  Gly Gly Thr Gly Cys  Ala Cys Thr
    4325                    4330                    4335
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Gly Thr  Thr Cys Cys Gly Cys  Cys Ala Ala Thr Cys  Ala Thr Ala
    4340                4345                4350


Thr Thr  Gly Thr Gly Cys Cys  Thr Ala Gly Thr Thr  Gly Cys Thr
    4355                4360                4365


Gly Ala  Thr Gly Cys Thr Cys  Thr Ala Thr Thr Cys  Thr Gly Cys
    4370                4375                4380


Cys Cys  Thr Thr Ala Gly Ala  Ala Ala Cys Cys Gly  Thr Ala Thr
    4385                4390                4395


Ala Ala  Ala Ala Ala Cys Thr  Ala Gly Cys Gly Ala  Ala Gly Gly
    4400                4405                4410


Gly Gly  Thr Ala Cys Cys Ala  Gly Gly Gly Gly Thr  Ala Ala Cys
    4415                4420                4425


Cys Cys  Cys Cys Thr Cys Thr  Cys Cys Thr Thr Cys  Ala Gly Gly
    4430                4435                4440


Thr Cys  Thr Gly Gly Gly Ala  Cys Ala Ala Thr Cys  Cys Cys Ala
    4445                4450                4455


Cys Thr  Ala Cys Ala Cys Thr  Gly Gly Ala Ala Cys  Ala Ala Thr
    4460                4465                4470


Ala Ala  Thr Thr Thr Cys Cys  Thr Cys Thr Gly Gly  Cys Thr Thr
    4475                4480                4485


Thr Thr  Thr Gly Cys Ala Thr  Thr Gly Ala Thr Cys  Ala Cys Ala
    4490                4495                4500


Gly Cys  Thr Cys Cys Ala Cys  Thr Thr Cys Gly Thr  Gly Gly Thr
    4505                4510                4515


Ala Ala  Gly Thr Thr Ala Ala  Gly Ala Cys Thr Cys  Cys Cys Thr
    4520                4525                4530


Gly Gly  Ala Gly Thr Cys Thr  Thr Ala Cys Ala Thr  Thr Gly Gly
    4535                4540                4545
```

Cys Ala Ala Ala Thr Gly Cys Ala Gly Gly Cys Ala Ala Ala Ala
    4550   4555   4560

Gly Ala Ala Thr Cys Cys Gly Ala Ala Ala Cys Thr Cys Ala Ala
    4565   4570   4575

Gly Gly Thr Cys Ala Thr Cys Thr Ala Ala Ala Ala Cys Thr Ala
    4580   4585   4590

Cys Ala Thr Ala Gly Cys Ala Ala Gly Cys Ala Thr Gly Cys Thr
    4595   4600   4605

Gly Cys Thr Ala Gly Cys Cys Thr Gly Gly Gly Cys Thr Cys Cys
    4610   4615   4620

Ala Thr Gly Ala Gly Ala Cys Cys Cys Thr Gly Gly Gly Gly Gly
    4625   4630   4635

Ala Gly Gly Gly Gly Cys Ala Gly Ala Gly Gly Gly Ala Gly Ala
    4640   4645   4650

Cys Cys Gly Thr Thr Cys Ala Gly Ala Ala Gly Ala Cys Ala Gly
    4655   4660   4665

Thr Cys Ala Ala Gly Ala Thr Gly Thr Thr Gly Cys Ala Gly Cys
    4670   4675   4680

Ala Gly Cys Ala Cys Ala Gly Gly Cys Ala Gly Cys Cys Thr Gly
    4685   4690   4695

Gly Cys Cys Ala Cys Cys Ala Gly Thr Gly Cys Thr Gly Thr Cys
    4700   4705   4710

Ala Cys Cys Ala Gly Ala Cys Ala Thr Gly Thr Thr Ala Ala Thr
    4715   4720   4725

Gly Thr Thr Gly Gly Ala Ala Thr Ala Ala Ala Gly Cys Cys Thr
    4730   4735   4740

Cys Ala Ala Thr Cys Ala Thr Gly Ala Cys Thr Cys Thr Cys Cys
    4745   4750   4755

```
Cys Ala  Gly Thr Thr Thr Thr  Ala Thr Ala Ala Thr  Thr Gly Gly
    4760                 4765              4770

Ala Ala  Ala Thr Ala Ala Gly  Ala Ala Ala Gly Gly  Ala Ala Ala
    4775                 4780              4785

Gly Ala  Cys Thr Ala Thr Ala  Gly Gly Ala Ala Cys  Ala Ala Cys
    4790                 4795              4800

Thr Gly  Thr Gly Thr Thr Cys  Ala Gly Ala Ala Cys  Ala Cys Thr
    4805                 4810              4815

Ala Thr  Thr Thr Ala Thr Ala  Ala Thr Ala Gly Cys  Ala Ala Ala
    4820                 4825              4830

Gly Ala  Thr Cys Thr Cys Ala  Gly Ala Gly Thr Ala  Ala Cys Cys
    4835                 4840              4845

Cys Ala  Ala Ala Cys Thr Thr  Cys Thr Ala Gly Ala  Cys Ala Thr
    4850                 4855              4860

Thr Gly  Ala Thr Thr Thr Gly  Gly Gly Ala Ala Gly  Ala Thr Cys
    4865                 4870              4875

Thr Cys  Thr Thr Gly Gly Cys  Ala Gly Cys Thr Thr  Ala Thr Thr
    4880                 4885              4890

Thr Thr  Gly Ala Ala Ala Ala  Cys Thr Thr Thr Ala  Cys Ala Ala
    4895                 4900              4905

Thr Gly  Thr Thr Ala Ala Ala  Thr Ala Thr Gly Thr  Ala Ala Ala
    4910                 4915              4920

Ala Ala  Cys Ala Ala Gly Gly  Ala Cys Ala Gly Thr  Thr Thr Thr
    4925                 4930              4935

Gly Thr  Thr Thr Thr Thr Thr  Gly Thr Thr Thr Thr  Gly Thr Thr
    4940                 4945              4950

Thr Thr  Gly Thr Thr Thr Thr  Gly Thr Thr Thr Thr  Ala Gly Gly
```

```
           4955                    4960                    4965


Gly Ala  Thr Ala Thr Ala Thr  Ala Thr Thr Cys Ala  Thr Ala Thr
    4970                    4975                4980


Ala Thr  Gly Thr Ala Thr Ala  Thr Gly Ala Ala Thr  Gly Ala Ala
    4985                    4990                4995


Ala Ala  Cys Cys Cys Ala Ala  Ala Cys Thr Thr Ala  Ala Ala Ala
    5000                    5005                5010


Thr Thr  Cys Cys Cys Cys Ala  Cys Thr Ala Thr Gly  Cys Thr Thr
    5015                    5020                5025


Thr Ala  Ala Ala Gly Gly Cys  Thr Thr Thr Cys Thr  Gly Ala Cys
    5030                    5035                5040


Ala Ala  Thr Ala Ala Cys Ala  Gly Ala Ala Ala Gly  Ala Gly Ala
    5045                    5050                5055


Ala Ala  Thr Ala Gly Ala Gly  Ala Ala Thr Cys Cys  Ala Thr Ala
    5060                    5065                5070


Ala Ala  Ala Ala Cys Thr Ala  Gly Thr Thr Cys Thr  Gly Ala Ala
    5075                    5080                5085


Ala Cys  Thr Ala Thr Cys Ala  Ala Thr Ala Gly Gly  Cys Thr Thr
    5090                    5095                5100


Gly Ala  Cys Ala Cys Thr Cys  Thr Thr Thr Ala Gly  Cys Thr Gly
    5105                    5110                5115


Cys Cys  Ala Gly Gly Ala Gly  Ala Gly Cys Thr Gly  Ala Ala Thr
    5120                    5125                5130


Cys Thr  Gly Ala Ala Cys Ala  Cys Ala Gly Gly Gly  Ala Ala Cys
    5135                    5140                5145


Cys Cys  Cys Ala Cys Cys Cys  Ala Gly Cys Ala Cys  Cys Cys Cys
    5150                    5155                5160
```

```
Ala Ala  Ala Thr Thr Thr Gly  Gly Ala Thr Thr Ala  Thr Thr Gly
    5165                 5170                 5175


Thr Thr  Thr Thr Ala Thr Thr  Thr Thr Ala Thr Cys  Thr Thr Thr
    5180                 5185                 5190


Cys Cys  Cys Cys Thr Ala Cys  Cys Cys Cys Cys Ala  Ala Gly Ala
    5195                 5200                 5205


Cys Ala  Gly Gly Gly Thr Thr  Thr Cys Thr Cys Thr  Gly Cys Gly
    5210                 5215                 5220


Thr Gly  Gly Thr Cys Cys Thr  Gly Gly Cys Thr Gly  Thr Cys Cys
    5225                 5230                 5235


Thr Gly  Gly Ala Ala Cys Thr  Cys Gly Gly Ala Gly  Ala Thr Cys
    5240                 5245                 5250


Cys Thr  Cys Thr Gly Cys Cys  Thr Cys Thr Cys Thr  Gly Cys Cys
    5255                 5260                 5265


Thr Cys  Thr Cys Thr Gly Cys  Cys Thr Cys Thr Cys  Thr Cys Thr
    5270                 5275                 5280


Cys Thr  Cys Thr Cys Thr Gly  Cys Cys Thr Cys Thr  Cys Thr Cys
    5285                 5290                 5295


Thr Gly  Cys Cys Thr Cys Thr  Cys Thr Cys Thr Cys  Thr Cys Thr
    5300                 5305                 5310


Cys Thr  Cys Thr Cys Thr Cys  Thr Gly Cys Cys Thr  Cys Thr Cys
    5315                 5320                 5325


Thr Cys  Thr Cys Thr Cys Thr  Cys Thr Cys Thr Gly  Cys Cys Cys
    5330                 5335                 5340


Cys Thr  Cys Gly Cys Thr Gly  Cys Cys Thr Cys Thr  Cys Thr Cys
    5345                 5350                 5355


Thr Gly  Cys Cys Thr Cys Thr  Cys Thr Cys Thr Gly  Cys Cys Cys
    5360                 5365                 5370
```

Cys Thr Cys Thr Cys Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys
    5375   5380   5385

Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys Thr Cys Thr Thr Cys
    5390   5395   5400

Cys Cys Cys Thr Cys Thr Cys Thr Gly Cys Cys Thr Cys Thr Cys
    5405   5410   5415

Thr Cys Thr Cys Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys Thr
    5420   5425   5430

Gly Cys Cys Thr Cys Thr Cys Thr Gly Cys Cys Thr Cys Thr Gly
    5435   5440   5445

Cys Cys Thr Cys Cys Thr Gly Ala Gly Thr Gly Cys Thr Gly Gly
    5450   5455   5460

Gly Ala Thr Thr Thr Ala Ala Ala Gly Gly Cys Ala Thr Cys Ala
    5465   5470   5475

Gly Cys Cys Ala Thr Cys Ala Cys Thr Thr Cys Cys Ala Gly Cys
    5480   5485   5490

Thr Thr Cys Cys Thr Thr Thr Ala Thr Cys Ala Thr Thr Thr Thr
    5495   5500   5505

Ala Ala Ala Ala Ala Gly Ala Ala Thr Thr Thr Cys Cys Thr Ala
    5510   5515   5520

Thr Gly Thr Gly Ala Cys Thr Ala Cys Thr Gly Thr Ala Thr Thr
    5525   5530   5535

Thr Ala Ala Ala Thr Cys Ala Cys Cys Ala Cys Ala Cys Gly Gly
    5540   5545   5550

Cys Cys Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Cys Cys Cys
    5555   5560   5565

Ala Ala Cys Thr Cys Cys Thr Cys Cys Cys Ala Ala Ala Thr Cys
    5570   5575   5580

Cys Cys Cys Thr Cys Thr Ala Cys Cys Cys Ala Cys Thr Cys Ala
    5585   5590   5595

Ala Ala Thr Thr Cys Thr Thr Ala Thr Cys Thr Thr Gly Thr Ala
    5600   5605   5610

Thr Thr Cys Thr Thr Thr Ala Thr Cys Ala Thr Thr Ala Thr Thr
    5615   5620   5625

Ala Thr Ala Cys Ala Thr Ala Thr Gly Thr Gly Thr Ala Thr Ala
    5630   5635   5640

Thr Ala Thr Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr Ala Thr
    5645   5650   5655

Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Cys Thr Ala Thr
    5660   5665   5670

Ala Thr Ala Cys Thr Gly Cys Thr Ala Ala Thr Gly Ala Gly Thr
    5675   5680   5685

Ala Ala Cys Ala Thr Thr Thr Ala Gly Thr Gly Thr Thr Ala Thr
    5690   5695   5700

Thr Cys Ala Thr Thr Gly Thr Thr Gly Cys Ala Thr Gly Thr Thr
    5705   5710   5715

Thr Thr Cys Ala Ala Thr Gly Thr Gly Cys Thr Thr Thr Cys Cys
    5720   5725   5730

Ala Gly Gly Ala Gly Gly Cys Thr Gly Gly Gly Gly Gly Gly Ala
    5735   5740   5745

Thr Gly Gly Cys Thr Cys Ala Gly Thr Gly Gly Gly Cys Ala Ala
    5750   5755   5760

Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala
    5765   5770   5775

Ala Gly Cys Cys Thr Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly

```
        5780                    5785                    5790


Gly Thr  Thr Cys Ala Gly Ala  Thr Cys Cys Cys Cys  Ala Ala Thr
    5795                    5800                    5805


Ala Thr  Ala Ala Ala Gly Gly  Cys Thr Gly Gly Cys  Thr Gly Gly
    5810                    5815                    5820


Ala Cys  Ala Thr Gly Gly Thr  Gly Gly Cys Thr Thr  Gly Cys Cys
    5825                    5830                    5835


Thr Ala  Thr Gly Ala Thr Ala  Cys Thr Ala Gly Cys  Ala Thr Gly
    5840                    5845                    5850


Cys Thr  Thr Gly Cys Thr Gly  Gly Ala Ala Gly Cys  Ala Ala Ala
    5855                    5860                    5865


Gly Ala  Cys Ala Gly Gly Gly  Ala Ala Thr Cys Cys  Cys Thr Gly
    5870                    5875                    5880


Gly Ala  Gly Ala Cys Thr Thr  Ala Gly Ala Ala Thr  Cys Thr Cys
    5885                    5890                    5895


Ala Gly  Ala Ala Gly Thr Gly  Ala Thr Cys Thr Gly  Gly Gly Cys
    5900                    5905                    5910


Thr Gly  Gly Ala Cys Ala Gly  Ala Cys Thr Ala Gly  Cys Thr Gly
    5915                    5920                    5925


Ala Ala  Cys Thr Gly Gly Cys  Cys Ala Gly Cys Thr  Cys Thr Gly
    5930                    5935                    5940


Gly Gly  Thr Thr Cys Ala Thr  Cys Ala Ala Gly Ala  Ala Ala Cys
    5945                    5950                    5955


Cys Cys  Thr Ala Cys Cys Thr  Cys Cys Ala Thr Ala  Ala Cys Ala
    5960                    5965                    5970


Thr Ala  Ala Ala Gly Thr Gly  Thr Gly Ala Thr Gly  Gly Ala Gly
    5975                    5980                    5985
```

```
Ala Ala  Ala Gly Gly Cys Ala  Cys Cys Thr Ala Ala  Thr Gly Thr
    5990                 5995              6000
```

```
Cys Ala  Ala Cys Cys Thr Cys  Ala Ala Ala Cys Cys  Cys Cys Thr
    6005                 6010              6015
```

```
Ala Cys  Cys Thr Gly Cys Ala  Thr Gly Thr Gly Cys  Ala Cys Ala
    6020                 6025              6030
```

```
Cys Ala  Cys Ala Thr Ala Cys  Ala Thr Cys Cys Ala  Cys Ala Cys
    6035                 6040              6045
```

```
Cys Ala  Cys Ala Cys Ala Cys  Ala Cys Ala Cys Ala  Cys Ala Cys
    6050                 6055              6060
```

```
Ala Cys  Ala Cys Ala Cys Ala  Cys Ala Cys Ala Cys  Ala Cys Ala
    6065                 6070              6075
```

```
Cys Cys  Ala Cys Ala Cys Ala  Cys Ala Cys Ala Cys  Ala Cys Ala
    6080                 6085              6090
```

```
Cys Ala  Cys Ala Ala Ala Thr  Ala Ala Ala Thr Ala  Ala Gly Thr
    6095                 6100              6105
```

```
Ala Ala  Ala Thr Ala Ala Ala  Thr Ala Ala Ala Ala  Thr Ala Thr
    6110                 6115              6120
```

```
Thr Thr  Ala Gly Cys Thr Cys  Thr Cys Cys Ala Gly  Ala Cys Cys
    6125                 6130              6135
```

```
Ala Ala  Ala Thr Cys Thr Thr  Gly Gly Thr Gly Ala  Ala Ala Cys
    6140                 6145              6150
```

```
Cys Cys  Ala Thr Gly Cys Ala  Thr Thr Thr Gly Cys  Ala Thr Thr
    6155                 6160              6165
```

```
Thr Gly  Thr Gly Thr Gly Thr  Gly Thr Cys Cys Thr  Ala Cys Ala
    6170                 6175              6180
```

```
Ala Ala  Cys Ala Cys Thr Gly  Ala Ala Gly Gly Thr  Thr Ala Ala
    6185                 6190              6195
```

```
Gly Ala  Ala Gly Cys Ala Thr  Gly Cys Thr Cys Cys  Thr Thr Ala
    6200                6205                6210

Gly Thr  Ala Ala Thr Thr Thr  Thr Ala Thr Ala Gly  Cys Ala Gly
    6215                6220                6225

Thr Thr  Thr Gly Cys Gly Thr  Thr Thr Cys Cys Ala  Gly Ala Thr
    6230                6235                6240

Thr Gly  Ala Ala Ala Ala Cys  Ala Gly Ala Thr Thr  Cys Thr Ala
    6245                6250                6255

Thr Ala  Gly Gly Cys Thr Ala  Cys Ala Cys Ala Gly  Thr Gly Cys
    6260                6265                6270

Thr Ala  Ala Ala Thr Gly Gly  Ala Thr Thr Ala Thr  Gly Cys Thr
    6275                6280                6285

Cys Ala  Gly Ala Thr Ala Cys  Ala Gly Ala Thr Thr  Gly Ala Ala
    6290                6295                6300

Ala Ala  Gly Gly Ala Thr Ala  Cys Ala Gly Ala Thr  Thr Gly Ala
    6305                6310                6315

Ala Ala  Ala Gly Gly Gly Thr  Cys Gly Gly Gly Gly  Thr Cys Thr
    6320                6325                6330

Gly Gly  Gly Cys Cys Ala Gly  Gly Ala Thr Gly Ala  Cys Gly Gly
    6335                6340                6345

Gly Cys  Cys Ala Ala Cys Thr  Ala Thr Cys Thr Thr  Thr Gly Cys
    6350                6355                6360

Cys Cys  Gly Gly Gly Cys Thr  Thr Gly Thr Cys Cys  Thr Thr Cys
    6365                6370                6375

Ala Gly  Gly Gly Ala Ala Gly  Gly Gly Thr Thr Ala  Cys Ala Gly
    6380                6385                6390

Gly Ala  Thr Thr Cys Ala Cys  Cys Ala Cys Thr Gly  Gly Gly Gly
    6395                6400                6405
```

```
Thr Gly  Thr Gly Gly Cys Cys  Thr Ala Thr Cys Thr  Gly Cys Thr
    6410                 6415                 6420


Gly Thr  Thr Ala Gly Gly Ala  Cys Cys Thr Gly Ala  Ala Thr Thr
    6425                 6430                 6435


Gly Cys  Cys Thr Gly Gly Ala  Gly Thr Gly Thr Thr  Thr Cys Thr
    6440                 6445                 6450


Ala Gly  Thr Thr Cys Cys Cys  Ala Cys Thr Ala Gly  Thr Thr Gly
    6455                 6460                 6465


Thr Thr  Gly Ala Ala Cys Thr  Thr Thr Ala Cys Cys  Thr Thr Gly
    6470                 6475                 6480


Ala Ala  Cys Cys Thr Cys Thr  Gly Cys Thr Cys Cys  Cys Ala Gly
    6485                 6490                 6495


<210>   9
<211>   361
<212>   PRT
<213>   Homo sapiens

<400>   9

Ala Ala Thr Thr Thr Thr Cys Thr Ala Cys Ala Gly Gly Cys Thr Ala
1               5                 10                15


Thr Ala Gly Ala Gly Thr Gly Cys Ala Gly Thr Thr Thr Gly Gly Cys
            20                25                30


Thr Ala Ala Ala Gly Cys Ala Ala Ala Ala Cys Cys Thr Ala Gly Gly
        35                40                45


Thr Ala Cys Ala Gly Thr Cys Ala Gly Gly Gly Ala Cys Thr Ala Cys
    50                55                60


Ala Cys Ala Ala Thr Thr Cys Cys Ala Gly Thr Thr Cys Gly Cys Thr
65                70                75                80


Gly Thr Gly Gly Gly Thr Thr Gly Gly Gly Ala Ala Gly Gly Gly Ala
            85                90                95
```

Thr Gly Gly Gly Thr Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Thr
        100   105   110

Gly Gly Cys Ala Ala Gly Cys Cys Thr Thr Gly Ala Thr Cys Thr Thr
        115   120   125

Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr Cys Cys Thr
    130   135   140

Thr Cys Thr Gly Gly Gly Gly Ala Gly Ala Ala Thr Thr Ala Cys Cys
145   150   155   160

Thr Gly Cys Thr Thr Cys Thr Gly Cys Thr Gly Gly Ala Cys Thr Gly
                165   170   175

Ala Gly Gly Gly Thr Gly Cys Cys Cys Thr Cys Ala Thr Cys Thr Cys
        180   185   190

Thr Gly Gly Cys Thr Ala Gly Ala Gly Cys Cys Cys Gly Thr Gly Cys
        195   200   205

Thr Gly Cys Cys Ala Thr Gly Gly Ala Ala Gly Ala Cys Thr Cys Thr
    210   215   220

Thr Thr Cys Cys Gly Gly Thr Gly Cys Cys Cys Ala Cys Thr Ala Ala
225   230   235   240

Ala Thr Cys Cys Thr Thr Gly Ala Thr Gly Thr Cys Ala Cys Cys
        245   250   255

Thr Thr Gly Thr Cys Cys Cys Cys Thr Gly Cys Cys Cys Cys Cys Ala
        260   265   270

Gly Ala Gly Ala Ala Gly Thr Cys Ala Thr Cys Cys Gly Gly Ala Cys
        275   280   285

Cys Cys Thr Cys Cys Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly
    290   295   300

Thr Cys Thr Cys Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Ala Thr

305   310   315   320

Thr Thr Gly Ala Cys Cys Ala Gly Cys Ala Gly Cys Thr Cys Thr Cys
            325   330   335

Cys Cys Cys Gly Gly Gly Cys Cys Thr Cys Cys Gly Thr Cys Cys Ala
            340   345   350

Cys Gly Thr Cys Cys Thr Cys Ala Gly
            355   360

<210> 10
<211> 279
<212> PRT
<213> Homo sapiens

<400> 10

Gly Thr Ala Ala Thr Gly Gly Cys Thr Gly Gly Cys Cys Cys Ala Cys
1   5   10   15

Gly Gly Gly Gly Gly Cys Gly Gly Gly Cys Ala Gly Gly Thr Gly Gly
            20   25   30

Gly Gly Gly Cys Gly Gly Cys Cys Ala Cys Cys Ala Gly Gly Thr Gly
        35   40   45

Ala Gly Ala Gly Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Thr Gly
    50   55   60

Ala Gly Ala Gly Cys Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys Thr
65   70   75   80

Cys Thr Gly Cys Cys Thr Gly Gly Cys Thr Gly Ala Ala Cys Ala Ala
            85   90   95

Ala Thr Gly Cys Cys Thr Cys Thr Gly Cys Cys Gly Cys Ala Cys Thr
            100   105   110

Cys Ala Cys Ala Ala Thr Ala Ala Thr Thr Gly Ala Gly Thr Gly Gly
            115   120   125

Thr Gly Ala Gly Cys Ala Cys Ala Gly Cys Thr Thr Gly Gly Ala Ala

```
        130                    135                    140
```

```
Ala Thr Cys Thr Cys Thr Gly Thr Gly Gly Thr Thr Gly Thr Thr Thr
145             150                 155                 160


Gly Gly Ala Gly Gly Thr Cys Thr Thr Gly Thr Thr Ala Thr Cys Ala
                165                 170                 175


Thr Gly Gly Ala Ala Thr Thr Thr Gly Ala Ala Cys Ala Gly Thr Ala
            180                 185                 190


Gly Cys Thr Thr Gly Thr Gly Thr Gly Thr Gly Cys Thr Gly Cys Ala
        195                 200                 205


Gly Cys Thr Thr Thr Thr Thr Ala Cys Ala Ala Cys Thr Ala Ala Ala
    210                 215                 220


Gly Thr Thr Ala Ala Thr Thr Gly Gly Ala Gly Gly Cys Cys Ala Gly
225                 230                 235                 240


Thr Thr Gly Cys Thr Cys Thr Gly Gly Gly Ala Ala Gly Cys Gly Gly
            245                 250                 255


Ala Thr Gly Gly Gly Gly Thr Gly Gly Gly Ala Gly Gly Ala Cys Ala
            260                 265                 270


Thr Gly Gly Cys Cys Ala Gly
        275
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<210> 11
<211> 784
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(784)
<223> SHIP cDNA

<400> 11
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tgctggagtg tccgtcctgg gagtggctgc tgacccagtc caggagaccc atgcctgcca   120
```

tggtccctgg gtggaaccat ggcaacatca cccgctccaa ggcagaggag ctactttcca   180·

gagccggcaa ggacgggagc ttccttgtgc gtgccagcga gtccatcccc cgggcctacg   240

cactctgcgt gctgttccgg aattgtgttt acacttacag gattctgccc aatgaggacg   300

ataaattcac tgttcaggca tccgaaggtg tccccatgag gttcttcacg aagctggacc   360

agctcatcga cttttacaag aaggaaaaca tggggctggt gacccacctg cagtaccccg   420

tgcccctgga ggaggaggat gctattgatg aggctgagga ggacactgta gaaagtgtca   480

tgtcaccacc tgagctgcct cccagaaaca ttcctatgtc tgccgggccc agcgaggcca   540

aggaccttcc tcttgcaaca gagaaccccc gagcccctga ggtcacccgg ctgagtctct   600

ccgagacact gtttcagcgt ctacagagca tggataccag tgggcttccc gaggagcacc   660

tgaaagccat ccaggattat ctgagcactc agctcctcct ggattccgac tttttgaaga   720

cgggctccag caacctccct cacctgaaga agctgatgtc actgctctgc aaggagctcc   780

atgg   784

<210>   12
<211>   225
<212>   PRT
<213>   Mus musculus

<220>
<221>   MISC_FEATURE
<222>   (1)..(225)
<223>   SHIP amino acid sequence

<400>   12

Met Pro Ala Met Val Pro Gly Trp Asn His Gly Asn Ile Thr Arg Ser
1   5   10   15

Lys Ala Glu Glu Leu Leu Ser Arg Ala Gly Lys Asp Gly Ser Phe Leu
            20   25   30

Val Arg Ala Ser Glu Ser Ile Pro Arg Ala Tyr Ala Leu Cys Val Leu
        35   40   45

Phe Arg Asn Cys Val Tyr Thr Tyr Arg Ile Leu Pro Asn Glu Asp Asp
    50   55   60

Lys Phe Thr Val Gln Ala Ser Glu Gly Val Pro Met Arg Phe Phe Thr

```
65                      70                      75                          80


Lys Leu Asp Gln Leu Ile Asp Phe Tyr Lys Lys Glu Asn Met Gly Leu
            85                      90                  95


Val Thr His Leu Gln Tyr Pro Val Pro Leu Glu Glu Glu Asp Ala Ile
            100                     105                 110


Asp Glu Ala Glu Glu Asp Thr Val Glu Ser Val Met Ser Pro Pro Glu
            115                     120                 125


Leu Pro Pro Arg Asn Ile Pro Met Ser Ala Gly Pro Ser Glu Ala Lys
    130                     135                 140


Asp Leu Pro Leu Ala Thr Glu Asn Pro Arg Ala Pro Glu Val Thr Arg
145                     150                 155                 160


Leu Ser Leu Ser Glu Thr Leu Phe Gln Arg Leu Gln Ser Met Asp Thr
                165                     170                 175


Ser Gly Leu Pro Glu Glu His Leu Lys Ala Ile Gln Asp Tyr Leu Ser
            180                     185                 190


Thr Gln Leu Leu Leu Asp Ser Asp Phe Leu Lys Thr Gly Ser Ser Asn
        195                     200                 205


Leu Pro His Leu Lys Lys Leu Met Ser Leu Leu Cys Lys Glu Leu His
    210                     215                 220


Gly
225
```

<210> 13
<211> 2946
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(2946)
<223> s-SHIP cDNA (partial)

<400> 13

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ctgccatccc tggagtctct gcagaggttg tttgaccaac agctctcccc aggccttcgc   120

ccacgacctc aggtgcccgg agaggccagt cccatcacca tggttgccaa actcagccaa   180

ttgacaagtc tgctgtcttc cattgaagat aaggtcaagt ccttgctgca cgagggctca   240

gaatctacca acaggcgttc ccttatccct ccggtcacct ttgaggtgaa gtcagagtcc   300

ctgggcattc ctcagaaaat gcatctcaaa gtggacgttg agtctgggaa actgatcgtt   360

aagaagtcca aggatggttc tgaggacaag ttctacagcc acaaaaaaat cctgcagctc   420

attaagtccc agaagtttct aaacaagttg gtgattttgg tggagacgga gaaggagaaa   480

atcctgagga aggaatatgt ttttgctgac tctaagaaaa gagaaggctt ctgtcaactc   540

ctgcagcaga tgaagaacaa gcattcggag cagccagagc ctgacatgat caccatcttc   600

attggcactt ggaacatggg taatgcaccc cctcccaaga agatcacgtc ctggtttctc   660

tccaaggggc agggaaagac acgggacgac tctgctgact acatccccca tgacatctat   720

gtgattggca cccaggagga tccccttgga gagaaggagt ggctggagct actcaggcac   780

tccctgcaag aagtcaccag catgacattt aaaacagttg ccatccacac cctctggaac   840

attcgcatag tggtgcttgc caagccagag catgagaatc ggatcagcca tatctgcact   900

gacaacgtga agacaggcat cgccaacacc ctgggaaaca agggagcagt gggagtgtcc   960

ttcatgttca atggaacctc cttggggttc gtcaacagcc acttgacttc tggaagcgaa 1020

aaaaagctca ggagaaatca aaactatatg aacatcctgc ggttcctggc cctgggagac 1080

aagaagctaa gcccatttaa catcacccac cgcttcaccc acctcttctg gcttggggat 1140

ctcaactacc gcgtggagct gcccacttgg gaggcagagg ccatcatcca gaagatcaag 1200

caacagcagt attcagacct tctggcccac gaccaactgc tcctggagag gaaggaccag 1260

aaggtcttcc tgcactttga ggaggaagag atcaccttcg cccccaccta tcgatttgaa 1320

agactgaccc gggacaagta tgcatacacg aagcagaaag caacagggat gaagtacaac 1380

ttgccgtcct ggtgcgaccg agtcctctgg aagtcttacc cgctggtgca tgtggtctgt 1440

cagtcctatg gcagtaccag tgacatcatg acgagtgacc acagccctgt ctttgccacg 1500

tttgaagcgg gagtcacatc tcaattcgtc tccaagaatg gtcctggcac tgtagatagc 1560

caagggcaga tcgagtttct tgcatgctac gccacactga agaccaagtc ccagactaag 1620

ttctacttgg agttccactc aagctgctta gagagttttg tcaagagtca ggaaggagag 1680

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aatgaagagg gaagtgaagg agagctggtg gtacggtttg gagagactct tcccaagcta    1740

aagcccatta tctctgaccc cgagtactta ctggaccagc atatcctgat cagcattaaa    1800

tcctctgaca gtgacgagtc ctatggtgaa ggctgcattg cccttcgctt ggagaccaca    1860

gaggctcagc atcctatcta cacgcctctc acccaccatg gggagatgac tggccacttc    1920

aggggagaga ttaagctgca gacctcccag ggcaagatga gggagaagct ctatgacttt    1980

gtgaagacag agcgggatga atccagtgga atgaaatgct tgaagaacct caccagccat    2040

gaccctatga ggcaatggga gccttctggc agggtccctg catgtggtgt ctccagcctc    2100

aatgagatga tcaatccaaa ctacattggt atggggcctt ttggacagcc cctgcatggg    2160

aaatcaaccc tgtccccaga tcagcaactc acagcttgga gttatgacca gctacccaaa    2220

gactcctccc tggggcctgg gagggggggag ggtcctccaa cccctccctc ccaaccacct    2280

ctgtcgccaa agaagttttc atcttccaca gccaaccgag gtccctgccc cagggtgcaa    2340

gaggcaagac ctggggatct gggaaaggtg gaagctctgc tccaggagga cctgctgctg    2400

acgaagcccg agatgtttga gaacccactg tatggatccg tgagttcctt ccctaagctg    2460

gtgcccagga aagagcagga gtctcccaag atgctgcgga aggagccccc gccctgtcca    2520

gacccaggaa tctcatcacc cagcatcgtg ctccccaaag cccaagaggt ggagagtgtc    2580

aaggggacaa gcaaacaggc ccctgtgcct gtccttggcc ccacaccccg gatccgctcc    2640

tttacctgtt cttcttctgc tgagggcaga atgaccagtg gggacaagag ccaagggaag    2700

cccaaggcct cagccagttc ccaagcccca gtgccagtca agaggcctgt caagccttcc    2760

aggtcagaaa tgagccagca gacaacaccc atcccagctc cacggccacc cctgccagtc    2820

aagagtcctg ctgtcctgca gctgcaacat tccaaaggca gagactaccg tgacaacaca    2880

gaactccccc accatggcaa gcaccgccaa gaggaggggc tgcttggcag gactgccatg    2940

cagtga                                                                  2946
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<210>   14
<211>   928
<212>   PRT
<213>   Mus musculus


<220>
<221>   MISC_FEATURE
<222>   (1)..(928)
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<223>   s-SHIP amino acid sequence (partial)

<400>   14

Met Val Ala Lys Leu Ser Gln Leu Thr Ser Leu Leu Ser Ser Ile Glu
1   5   10   15

Asp Lys Val Lys Ser Leu Leu His Glu Gly Ser Glu Ser Thr Asn Arg
            20   25   30

Arg Ser Leu Ile Pro Pro Val Thr Phe Glu Val Lys Ser Glu Ser Leu
            35   40   45

Gly Ile Pro Gln Lys Met His Leu Lys Val Asp Val Glu Ser Gly Lys
    50   55   60

Leu Ile Val Lys Lys Ser Lys Asp Gly Ser Glu Asp Lys Phe Tyr Ser
65   70   75   80

His Lys Lys Ile Leu Gln Leu Ile Lys Ser Gln Lys Phe Leu Asn Lys
            85   90   95

Leu Val Ile Leu Val Glu Thr Glu Lys Glu Lys Ile Leu Arg Lys Glu
            100   105   110

Tyr Val Phe Ala Asp Ser Lys Lys Arg Glu Gly Phe Cys Gln Leu Leu
            115   120   125

Gln Gln Met Lys Asn Lys His Ser Glu Gln Pro Glu Pro Asp Met Ile
    130   135   140

Thr Ile Phe Ile Gly Thr Trp Asn Met Gly Asn Ala Pro Pro Pro Lys
145   150   155   160

Lys Ile Thr Ser Trp Phe Leu Ser Lys Gly Gln Gly Lys Thr Arg Asp
            165   170   175

Asp Ser Ala Asp Tyr Ile Pro His Asp Ile Tyr Val Ile Gly Thr Gln
            180   185   190

Glu Asp Pro Leu Gly Glu Lys Glu Trp Leu Glu Leu Leu Arg His Ser
            195   200   205

```
Leu Gln Glu Val Thr Ser Met Thr Phe Lys Thr Val Ala Ile His Thr
    210             215             220
```

```
Leu Trp Asn Ile Arg Ile Val Val Leu Ala Lys Pro Glu His Glu Asn
225             230             235             240
```

```
Arg Ile Ser His Ile Cys Thr Asp Asn Val Lys Thr Gly Ile Ala Asn
            245             250             255
```

```
Thr Leu Gly Asn Lys Gly Ala Val Gly Val Ser Phe Met Phe Asn Gly
            260             265             270
```

```
Thr Ser Leu Gly Phe Val Asn Ser His Leu Thr Ser Gly Ser Glu Lys
        275             280             285
```

```
Lys Leu Arg Arg Asn Gln Asn Tyr Met Asn Ile Leu Arg Phe Leu Ala
    290             295             300
```

```
Leu Gly Asp Lys Lys Leu Ser Pro Phe Asn Ile Thr His Arg Phe Thr
305             310             315             320
```

```
His Leu Phe Trp Leu Gly Asp Leu Asn Tyr Arg Val Glu Leu Pro Thr
            325             330             335
```

```
Trp Glu Ala Glu Ala Ile Ile Gln Lys Ile Lys Gln Gln Gln Tyr Ser
            340             345             350
```

```
Asp Leu Leu Ala His Asp Gln Leu Leu Leu Glu Arg Lys Asp Gln Lys
        355             360             365
```

```
Val Phe Leu His Phe Glu Glu Glu Ile Thr Phe Ala Pro Thr Tyr
370             375             380
```

```
Arg Phe Glu Arg Leu Thr Arg Asp Lys Tyr Ala Tyr Thr Lys Gln Lys
385             390             395             400
```

```
Ala Thr Gly Met Lys Tyr Asn Leu Pro Ser Trp Cys Asp Arg Val Leu
            405             410             415
```

```
Trp Lys Ser Tyr Pro Leu Val His Val Val Cys Gln Ser Tyr Gly Ser
            420             425             430
```

Thr Ser Asp Ile Met Thr Ser Asp His Ser Pro Val Phe Ala Thr Phe
    435   440   445

Glu Ala Gly Val Thr Ser Gln Phe Val Ser Lys Asn Gly Pro Gly Thr
    450   455   460

Val Asp Ser Gln Gly Gln Ile Glu Phe Leu Ala Cys Tyr Ala Thr Leu
465   470   475   480

Lys Thr Lys Ser Gln Thr Lys Phe Tyr Leu Glu Phe His Ser Ser Cys
            485   490   495

Leu Glu Ser Phe Val Lys Ser Gln Glu Gly Glu Asn Glu Glu Gly Ser
        500   505   510

Glu Gly Glu Leu Val Val Arg Phe Gly Glu Thr Leu Pro Lys Leu Lys
        515   520   525

Pro Ile Ile Ser Asp Pro Glu Tyr Leu Leu Asp Gln His Ile Leu Ile
    530   535   540

Ser Ile Lys Ser Ser Asp Ser Asp Glu Ser Tyr Gly Glu Gly Cys Ile
545   550   555   560

Ala Leu Arg Leu Glu Thr Thr Glu Ala Gln His Pro Ile Tyr Thr Pro
            565   570   575

Leu Thr His His Gly Glu Met Thr Gly His Phe Arg Gly Glu Ile Lys
            580   585   590

Leu Gln Thr Ser Gln Gly Lys Met Arg Glu Lys Leu Tyr Asp Phe Val
        595   600   605

Lys Thr Glu Arg Asp Glu Ser Ser Gly Met Lys Cys Leu Lys Asn Leu
    610   615   620

Thr Ser His Asp Pro Met Arg Gln Trp Glu Pro Ser Gly Arg Val Pro
625   630   635   640

Ala Cys Gly Val Ser Ser Leu Asn Glu Met Ile Asn Pro Asn Tyr Ile

```
                645                    650                  655


Gly Met Gly Pro Phe Gly Gln Pro Leu His Gly Lys Ser Thr Leu Ser
            660                 665                 670


Pro Asp Gln Gln Leu Thr Ala Trp Ser Tyr Asp Gln Leu Pro Lys Asp
            675                 680                 685


Ser Ser Leu Gly Pro Gly Arg Gly Glu Gly Pro Pro Thr Pro Pro Ser
            690                 695                 700


Gln Pro Pro Leu Ser Pro Lys Lys Phe Ser Ser Ser Thr Ala Asn Arg
705                     710                 715                 720


Gly Pro Cys Pro Arg Val Gln Glu Ala Arg Pro Gly Asp Leu Gly Lys
                725                 730                 735


Val Glu Ala Leu Leu Gln Glu Asp Leu Leu Leu Thr Lys Pro Glu Met
                740                 745                 750


Phe Glu Asn Pro Leu Tyr Gly Ser Val Ser Ser Phe Pro Lys Leu Val
                755                 760                 765


Pro Arg Lys Glu Gln Glu Ser Pro Lys Met Leu Arg Lys Glu Pro Pro
            770                 775                 780


Pro Cys Pro Asp Pro Gly Ile Ser Ser Pro Ser Ile Val Leu Pro Lys
785                     790                 795                 800


Ala Gln Glu Val Glu Ser Val Lys Gly Thr Ser Lys Gln Ala Pro Val
                805                 810                 815


Pro Val Leu Gly Pro Thr Pro Arg Ile Arg Ser Phe Thr Cys Ser Ser
            820                 825                 830


Ser Ala Glu Gly Arg Met Thr Ser Gly Asp Lys Ser Gln Gly Lys Pro
            835                 840                 845


Lys Ala Ser Ala Ser Ser Gln Ala Pro Val Pro Val Lys Arg Pro Val
    850                 855                 860
```

```
Lys Pro Ser Arg Ser Glu Met Ser Gln Gln Thr Thr Pro Ile Pro Ala
865                 870             875             880


Pro Arg Pro Pro Leu Pro Val Lys Ser Pro Ala Val Leu Gln Leu Gln
            885             890             895


His Ser Lys Gly Arg Asp Tyr Arg Asp Asn Thr Glu Leu Pro His His
            900             905             910


Gly Lys His Arg Gln Glu Glu Gly Leu Leu Gly Arg Thr Ala Met Gln
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<222> (1)..(178)
<223> first exon of s-SHIP and adjacent intronic sequence

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cagggaagtc atcaggactc tgccatccct ggagtctctg cagaggttgt ttgaccaaca   120

gctctcccca ggccttcgcc cacgacctca ggtaaggggt ttggatttgg aaagatgc   178

<210> 16
<211> 188
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)..(188)
<223> first exon of SIP-110 and flanking intronic sequences

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gagaagtcat ccggaccctc ccatccctgg agtctctgca gaggttattt gaccagcagc   120

tctccccggg cctccgtcca cgtcctcagg taaagggtct tggggttgaa aaggtgagat   180

taataccc   188

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<220>
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<223>  first exon of SIP-110

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cccatccctg gagtctctgc agaggttatt tgaccagcag ctctccccgg gcctccgtcc     120

acgtcctcag                                                            130


<210>  18
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<220>
<221>  misc_feature
<222>  (1)..(132)
<223>  first exon of s-SHIP

<400>  18
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ctgccatccc tggagtctct gcagaggttg tttgaccaac agctctcccc aggccttcgc     120

ccacgacctc ag                                                         132
```